



## **KVM AND SOLUTION**

- **CONSOLE KVM 1U 19 RACK**



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**CONSOLE KVM 1U RACK 19" - SHORT DEPT -  
MONTAGGIO IN ARMADI A PARTIRE DA 600MM PROFONDITÀ**



**RIS1701S:** is a single rail 17" Monitor, Keyboard-Drawer with LED Backlight. It integrates a single port VGA KVM switch, monitor, keyboard & mouse into 1U height and is used to control one computer. A value keyboard with number block and the integrated touchpad are completing the external design. The housing conforms the 1U standard, is easily installed and mountable with the included mounting kit.

**Depth: 410mm (without handle)**

**FEATURES:**

- \* Front LCD Console + DB 37 pins cable in short total length 410mm, supports PS.2/USB
- \* Can be connected with different KVM modules, for example with 8/16 ports (VGA/CAT5)
- \* One USB 1.1 port on the front side, for external mouse or keyboard
- \* High and clear resolution 1280 x 1024 (60Hz)

**KEYBOARD VERSIONS:**

Available in following versions: German (DE), US-English (US), British-English (UK), French (FR), Spanish (SP), Italian (IT), Turkish (TR), Swedish/Finnish (SWE/FI), Swiss (CH) and Russian (RU)



**SPECIFICATIONS:**

Type		RIS1701S	
Computer Connection (direct/max)		1	
CPU Port Selection		--	
IP Remote Control		No	--
LCD monitor	Monitor type	17" SXGA color TFT-LCD	
	Ratio	4:3	
	Visible square	337.920(H) x 270.336 (V)mm	
	Resolution(max)	1280 x 1024 60Hz	
	Support Color	16.7M colors (RGB 6-bit +Hi-FRC)	
	White Luminance	250 cd/m2 (Typ.)	
	contrast	1000:1 (Typ)	
	Back light	LED	
	Pixel Pitch	0.264 x 0.297 (per one triad) x 0.3	
	LCD MTBF	1000,000 hours	
	Input power	DC 12 V	
Connectors	DB 37pin Rear*	1 x PS/2 female (purple, green)	
		1x Kombi-USB	
		1 x HDB-15 VGA male (blue)	
	USB Front	1 x USB for external mouse or keyboard	
Keyboard	Keyboard	Standard 100keys (10 different languages for choose)	
	Compatible IBM/AT	Win Series/Server 2008/Server 2013/Linux, MacOS, etc.	
	Using life	>1,000,000 times	
Mouse	Type	Touch Pad	
	X/Y resolution	>1000dots/inch (40x40/mm)	
	Using life	>1,000,000 times	
Power	Power (AC)	~100V-240V	
	Using life	MTBF >60,000hours 25 °C	
Housing		Metal ( black )	
Rail system		Single Rail	
Gross weight		15.0 kg	
Dimensions (installation depth)		407.5 x 450 x 44.5mm	
Dimensions (with handle)		462.6 x 450 x 44.5mm	
Rack installation depth		410mm - 900mm (min/max adjustable)	
Operating / Storage Temp		-10 - 50°C / -20 - 60°C	



**RIS1901S:** is a single rail 19" Monitor, Keyboard-Drawer with LED Backlight. It integrates a single port VGA KVM switch, monitor, keyboard & mouse into 1U height and is used to control one computer. A value keyboard with number block and the integrated touchpad are completing the external design. The housing conforms the 1U standard, is easily installed and mountable with the included mounting kit.

**Depth: 410mm**

**FEATURES:**

- \* Front LCD Console + DB 37pins cable in short total length 410mm, supports PS.2/USB
- \* Can be connected with different KVM modules, for example with 4/8/16 ports (VGA/CAT5/DVI)
- \* an USB 1.1 port on the front side, for external mouse or keyboard
- \* clear, high, native resolution of 1366 x 768 (60Hz)

**KEYBOARD VERSIONS:**

Available in following versions: German (DE), US-English (US), British-English (UK), French (FR), Spanish (SP), Italian (IT), Turkish (TR), Swedish/Finnish (SWE/FI), Swiss (CH) and Russian (RU)

**SPECIFICATIONS:**

Type		RIS1901S	
Computer Connection (direct/max)		1	
CPU Port Selection		--	
IP Remote Control		No	--
LCD monitor	Monitor type	18.5 inch SXGA color TFT-LCD	
	Ratio	16:9	
	Visible square	409.8(H) x 230.4(V)mm	
	Resolution(max)	1366 x 768 (native) 60Hz	
	Support Color	16.7M colors (RGB 6-bit +Hi-FRC)	
	White Luminance	250 cd/m2 (Typ.)	
	contrast	1000:1 (Typ)	
	Back light	LED	
	Pixel Pitch	0.3 (per one triad) x 0.3	
	LCD MTBF	50,000 hours	
	Input power	DC 12 V	
Connectors	DB 37pin Rear*	1 x PS/2 female (purple, green)	
		1x Kombi-USB	
		1 x HDB-15 VGA male (blue)	
	USB Front	1 x USB for external mouse or keyboard	
Keyboard	Keyboard	Standard 100keys (10 different languages for choose)	
	Compatible IBM/AT	Win Series/Server 2008/Server 2013/Linux, MacOS, etc.	
	Using life	>1,000,000 times	
Mouse	Type	Touch Pad	
	X/Y resolution	>1000dots/inch (40x40/mm)	
	Using life	>1,000,000 times	
Power	Power (AC)	~100V-240V	
	Using life	MTBF >60,000hours 25 °C	
Housing		Metal ( black )	
Rail system		Single Rail	
Gross weight		15.0 kg	
Dimensions (installation depth)		407.5 x 450 x 44.5mm	
Dimensions (with handle)		462.6 x 450 x 44.5mm	
Rack installation depth		410mm - 900mm (min/max adjustable)	
Operating / Storage Temp		-10 - 50°C / -20 - 60°C	



**RIS1901HDVI:** is a 19" FULL HD / LCD-Monitor, Keyboard-Drawer with LED Backlight. The new equipment ensures brilliant HD images and monitoring to unprecedented quality. RIS1901HDVI sets a new standard in picture quality inside the server room. A value keyboard with number block and touchpad, the integrated DVI, PS/2 and USB connectors are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit. **Depth 462.6mm**

**FEATURES:**

- \* FullHD DVI console + DP 37pins cable in short total length **462.6mm**, supports PS.2/USB
- \* Adjustable depth from 600 mm up to 1000 mm tread depth
- \* DVI Input, PS/2 or USB for Keyboard und Touchpad/Mouse
- \* compatible with the most KVM-Switches
- \* Support friendly external power supply
- \* Support DOS, Windows Series /Server 2008 / Server 2013, Linux, MacOS, etc.
- \* Perfect keyboard / mouse emulation for safe function on all computers and operating systems
- \* High graphic resolution, up to 1920 x 1080 (Full HD)

**KEYBOARD VERSIONS**

Available in following versions: German (DE), US-English (US), British-English (UK), French (FR), Spanish (SP), Italian (IT), Turkish (TR), Swedish/Finnish (SWE/FI), Swiss (CH) and Russian (RU).



**SPECIFICATIONS:**

Type		RIS1901HDVI
Computer Connection (direct/max)		1
CPU Port Selection		--
IP Remote Control		No --
LCD monitor	Monitor type	18.5 inch wide screen SXGA color TFT-LCD
	Ratio	16:9
	Visible square	409.8(H) x 230.4(V)mm
	Resolution (max)	1920 x 1080 (Full HD)
	Support Color	16.7M colors (RGB 6-bit +Hi-FRC)
	White Luminance	300 cd/m2 (Typ.)
	Contrast	1000:1 (Typ)
	Back light	LED
	Pixel Pitch	0.3 (per one triad) x 0.3
	LCD MTBF	100.000 hours
	Input power	DC 12 V
Connectors	PC connectors	1x DVI-D
		1 x PS/2 female (purple), 1 x Kombi-USB
		1 x PS/2 female (green), 1 x Kombi-USB
		1 x USB (front) for external mouse or keyboard
Keyboard	Keyboard	Standard 100keys (10 different languages for choose)
	Compatible IBM/AT	Win Series/Server 2008/Server 2013/Linux, MacOS, etc.
	Using life	>1,000,000 times
Mouse	Type	Touch Pad
	X/Y resolution	>1000dots/inch (40x40/mm)
	Using life	>1,000,000 times
Power	Power (AC)	~100V-240V
	Using life	MTBF >60,000hours 25 °C
Housing		Metal ( black )
Rail system		Single Rail
Gross weight		19.0 kg
Dimensions (installation depth)		407,5 x 450 x 44,5mm
Dimensions (with handle)		462,6 x 450 x 44,5mm
Rack installation depth		410mm - 900mm (min/max adjustable)
Operating / Storage Temp		-10 - 50°C / -20 - 60°C



**CONSOLE KVM 1U RACK 19"**  
**MONITOR 17"**  
**RISOLUZIONE MAX. 1280x1024**



- 17" LCD Monitor with LED Backlight
- Easy installation
- Low installation depth 411mm !!



RAK1701 is a 17" Monitor-KeyBoard-Drawer with LED Backlight. A value keyboard with number block and touchpad completes the external design and makes it an allrounder device. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.



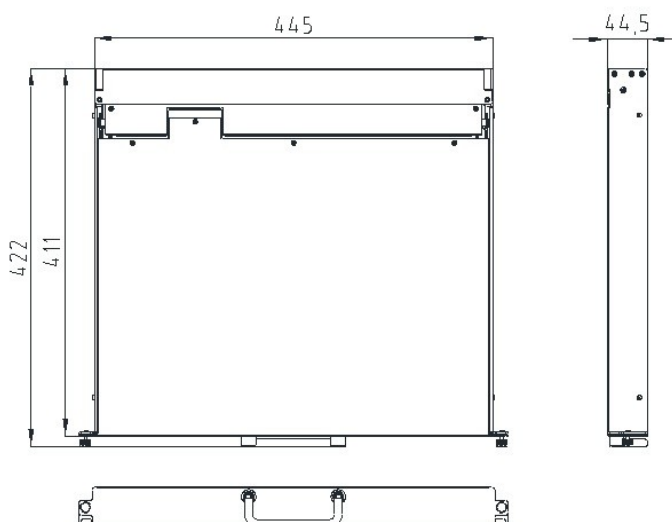
## Properties

- 1U 17" LCD console, 422mm total depth
- Stepless, adjustable angle from 0 to 105° with high quality torque hinges
- Easy one-man-assembly with the included installation angles
- Adjustable depth: 411mm to 650mm (Standard)
- **Optional:** conversion kit for 560mm to 900mm
- Chromed, hinged metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz

## Keyboard versions

**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT). Swiss / German (CH) and swedish / finnish (SWE/FI)

**Versions available on request:** Turkish (TK) and Russian(RU)



- Practical DB-37 Combo connector, combined with our included cable ULS-V01-1 (1 x VGA, 1 x USB and 2 x PS/2)
- compatible with the most PS/2-KVM and USB KVM-switches
- Support friendly external power supply
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Permanent Keyboard /Mouse emulation for safe function on all computers and operating systems

**Technical data:**

Connections	Graphic / Keyboard / Mouse	1 x HDDB-37
	Power supply	1 x DC-12V
Connection cable (included )	PS/2 / USB / VGA Combo	RKAB1024S (1.8m)
Optional connection cable	PS/2 / USB / VGA Combo	RKAB1034S (3.0m)
Switch	LCD settings	5 Pressure switches
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green/red
	Number	1 x blue
	Capital letters	1 x blue
	Scroll	1 x blue
Emulation	Keyboard/ Mouse	USB and PS/2
	Display	Yes
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 18,8 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	-10 - 50°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14.0 kg incl. angles
	Dimension (L x W x H) w/o handle	410 x 450 x 44.5mm (19" / 1U)
	Dimension (L x W x H) w. handle	422 x 450 x 44,5mm (19" / 1U)
Packaging	Weight	15.0 kg
	Dimension (L x W x H)	74 x 62 x 18 cm





- 17" LCD Monitor with LED Backlight
- 8 port KVM-switch USB / PS/2
- Depth 559mm only



RAK1708 is a 17" Monitor-KeyBoard-Drawer with LED backlight. A value keyboard with number block and touchpad and the integrated 8 Port Combo VGA KVM-switch are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.

The device can optional be equipped with an IP-module.



## Properties

- 1U 17" LCD console, 571mm total depth
- Stepless, adjustable angle from 0 to 105° with high quality torque hinges
- Easy one-man-assembly with the included installation angles
- Integrated 8-port Combo VGA KVM-switch
- Adjustable depth: 560mm to 900mm (Standard)
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz

## Keyboard versions:

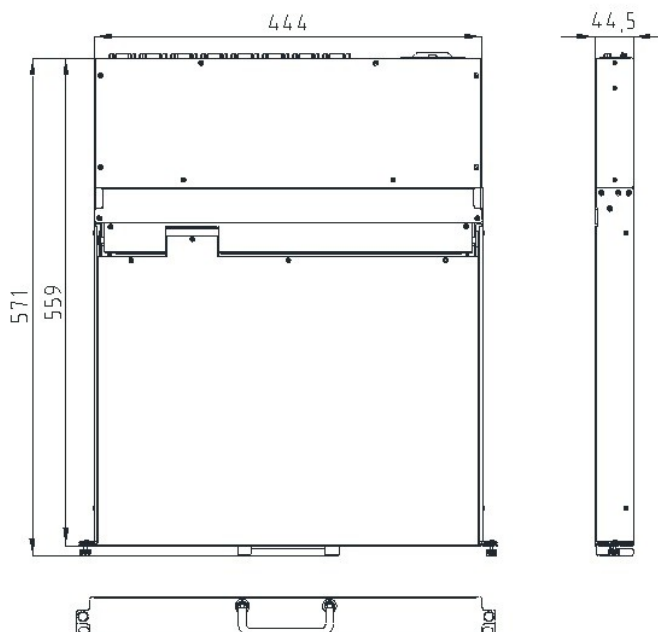
**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT), Swiss / German (CH) and swedish / finnish (SWE/FI)

**Versions available on request:** Turkish (TK), Russian(RU)



## Specifications

- Cascadable up to a port capacity of 128 ports by tree-chaining
- Computer selection by push buttons, Keyboard -Hotkeys and OSD-Menu
- On-Screen-Display und system notification as a Pop-Up
- Automatic Power ON/OFF pushing the console back to the rack
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED status indicators for clear display of port status



**Technical data:**

Connections KVM	Graphic	8 x HDDB-15
	Console(remote)	1 x RJ-45 (only with IP version)
	Console (local)	2 x USB-A
	Power supply	1 x DC-12V
Connection cable (Standard)	2x PS/2 / USB / VGA Combo, 4in1 Combo cable	8 x RKAB1024S (1.8m)
Additional supply	2x PS/2 / USB / VGA Combo, 4in1 Combo cable	RKAB1034 (3,0m) RKAB1054 (5,0m)
Switch	LCD settings	5 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green/red
	Number	1 x blue
	Capital letters	1 x blue
	Scroll	1 x blue
LED-Display KVM	Port selection	8 x green
Emulation	Keyboard/ Mouse	USB / PS/2
	Display	Yes
Port selection	Push Button / Hotkey / OSD	
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwidth	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 16,8 Watts	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	-10 - 50°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	16.8 kg incl. angles
	Dimension (L x W x H) w/o handle	555 x 450 x 44,5mm (19" / 1U)
	Dimension (L x W x H) w. handle	567 x 450 x 44,5mm (19" / 1U)
Packaging	Weight	17.8 kg
	Dimension (L x W x H)	74 x 62 x 18 cm



- 17" LCD Monitor with LED Backlight
- 16 port KVM-switch USB / PS/2
- Depth 559mm only



RAK1716 is a 17" Monitor-Keyba-Drawer with LED backlight. A value keyboard with number block and touchpad and the integrated 16 Port Combo VGA KVM-switch are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.

The device can optional be equipped with an IP-module.



## Properties

- 1U 17" LCD console, 571mm total depth
- Stepless, adjustable angle from 0 to 105° with high quality torque hinges
- Easy one-man-assembly with the included installation angles
- Integrated 16-port Combo VGA KVM-switch
- Adjustable depth: 560mm to 900mm (Standard)
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz

## Keyboard versions:

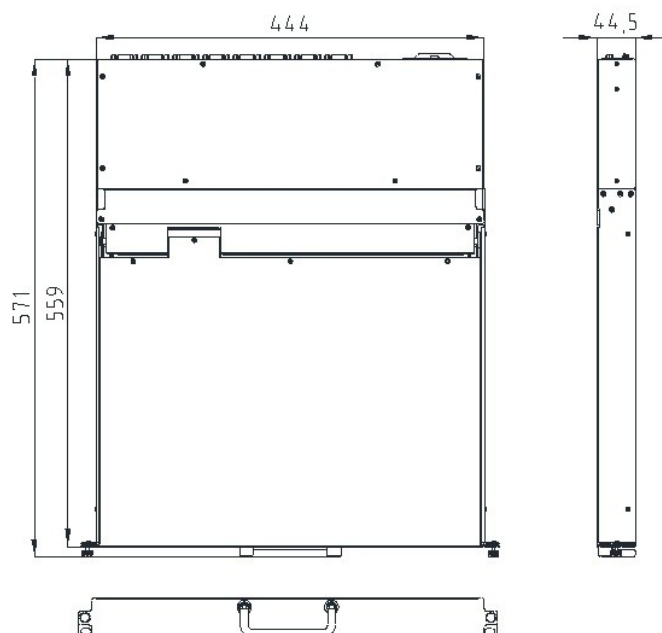
**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT). Swiss / German (CH) and swedish / finnish (SWE/FI)

**Versions available on request:** Turkish (TK), Russian(RU)



## Specifications

- The corresponding cable are included with delivery.
- Cascadable up to a port capacity of 256 ports by tree-chaining
- Computer selection by push buttons, Keyboard -Hotkeys and OSD-Menu
- On-Screen-Display und system notification as a Pop-Up
- Automatic Power ON/OFF pushing the console back to the rack
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED status indicators for clear display of port status



**Technical data:**

Connections KVM	Graphic	16 HDDB-15
	Console(remote)	1 x RJ-45 (only with IP version)
	Console (local)	2 x USB-A
	Power supply	1 x DC-12V
Connection cable (Standard)	2x PS/2 / USB / VGA Combo, 4in1 Combo cable	16x RKAB1024S (1.8m)
Additional supply	2x PS/2 / USB / VGA Combo, 4in1 Combo cable	RKAB1034 (3,0m)
		RKAB1054 (5,0m)
Switch	LCD settings	5 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green/red
	Number	1 x blue
	Capital letters	1 x blue
	Scroll	1 x blue
LED-Display KVM	Port/Switch	16 x green (Port)
Emulation	Keyboard/ Mouse	USB / PS/2
	Display	Yes
Port selection	Push Button / Hotkey / OSD	
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwidth	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 16,8 Watts	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	-10 - 50°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	18.1 kg incl. angles
	Dimension (L x W x H) w/o handle	555 x 450 x 44,5mm (19" / 1U)
	Dimension (L x W x H) w. handle	567 x 450 x 44,5mm (19" / 1U)
Packaging	Weight	19.1 kg
	Dimension (L x W x H)	74 x 62 x 18 cm





- 17" LCD Monitor with LED Backlight
- 8 / 16 port HDMI KVM-switch
- Depth 559mm only



RAK1708 / RAK1716HDMI is a 17" Monitor-KeyBoard-Drawer with LED backlight. A value keyboard with number block and touchpad and the integrated 8 / 16 Port HDMI KVM-switch are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.



### Specifications:

- The corresponding 8 / 16 HDMI / USB cable **are included with delivery**.
- Computer selection by push buttons, Keyboard-Hotkeys and OSD-Menu
- Full DDC control
- On-Screen-Display und system notification as a Pop-Up
- Automatic Power ON/OFF pushing the console back to the rack
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED status indicators for clear display of port status

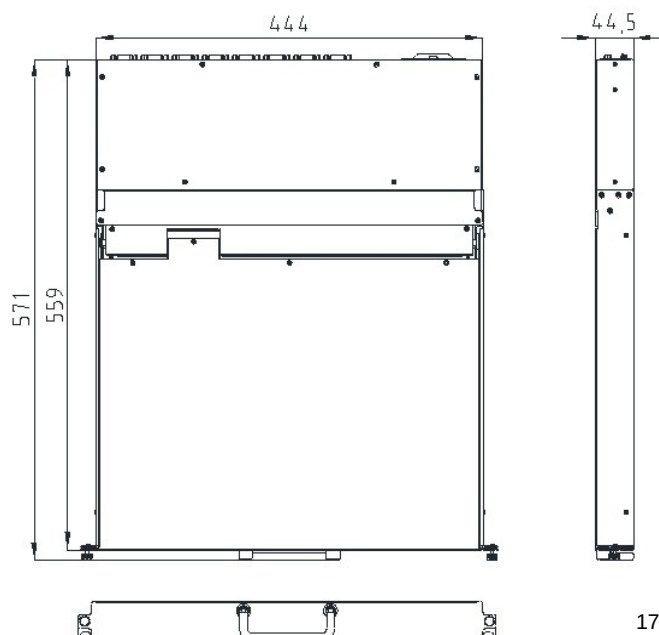
### Properties:

- 1U 17" LCD console, 559mm total depth
- Stepless, adjustable angle from 0 to 105° with high quality torque hinges
- Easy one-man-assembly with the included installation angles
- Integrated 8 / 16 port **HDMI** KVM-switch
- Adjustable depth: 560mm to 900mm (Standard)
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz

### Keyboard versions:

**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT). Swiss / German (CH) and swedish / finnish (SWE/FI)

**Versions available on request:** Turkish (TK), Russian(RU)



**Technical data:**

Connections KVM	Graphic	8 / 16 x HDMI
	Keyboard / Mouse	1 x USB-B
	Console (local)	2 x USB-A
	Power supply	1 x DC-12V
Connection cable (Standard)	1 x HDMI / 1 x USB-B to 1 x HDMI / 1 x USB-A 1-1 cable	8 x RKAB102HDMI (1.8m)
Switch	LCD settings	5 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green/red
	Number	1 x blue
	Capital letters	1 x blue
	Scroll	1 x blue
LED-Display KVM	Port selection	8 / 16 x green
Emulation	Keyboard/ Mouse	USB / PS/2
	Display	Yes
Port selection	Push Button / Hotkey / OSD	
Graphic	17" LCD	1280 x 1024 nativ
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 16,8 Watts	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	-10 - 50°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	18.1 kg incl. angles
	Dimension (L x W x H) w/o handle	555 x 450 x 44,5mm (19" / 1U)
	Dimension (L x W x H) w. handle	567 x 450 x 44,5mm (19" / 1U)
Packaging	Weight	19.1 kg
	Dimension (L x W x H)	74 x 62 x 18 cm



**CONSOLE KVM 1U RACK 19"**  
**MONITOR 17"**  
**RISOLUZIONE FULL HD 1920x1080**



RIW1701HD is a 17,3" FULL HD /LCD-Monitor, Keyboard-Drawer with LED Backlight. The new Equipement ensure a brilliant HD images and Monitoring to unprecedented quality. RIW1701HD-set a new standard in picture quality, inside the server room a value keyboard with number block and touchpad . Integrated DVI and VGA Input and 3 Front USB connector complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit.

## Properties :

- 1U 17,3" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality unique torque hinges
- Easy one man assembly with the angles as provided by the console
- Adjustable depth from 640 mm up to 1140 mm tread depth
- Chromed metal handle
- Practical knurled screws
- Integrated DVI and VGA Input
- 3 Front USB
- High graphic resolution, up to 1920 x 1080 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danisch (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW) ,

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.

## Specifications :

- DVI-Graphic Card ensures always a proper resolution even if the background needs to be rebooted
- Integrated 3 Port-front USB2.0 device-Hub for shared use of USB2.0 und USB1.1 terminal device (for another Mouse, Scanner, Printer, Cameras, USB-Storage medium, ...) to all PCs
- Independant/Shared change of USB2.0 device , ON/OFF-switchable audible signal
- OSD Menu in the following langagues adjustable German, English Spanish, Italian , French, Portuguese, Korean, Cyrillic, Japanese, trad. Chinese, mod. Chinese
- Supports all USB suitable operationg systems: for exemple Win98SE / 2000 / 2003... / ME / XP / Vista / Server 2008 /Windows 7, Windows 8 Windows 8.1 and the following versions LINUX, ...
- Compatible with MAC G3/G4, MACmini and iMAC. It works with Mac OS X 10.4.10 (and other systems)



**Technical data:**

Connections	Graphic	1 x DVI-I 1 x VGA
	Keyboard / Mouse	2 X USB-Typ-A
	External (Hub)	3 x USB 2,0 (Type-A)
	Power supply	1 x C13 IEC socket
Connection cable (included )	Graphic	1 x DVI-D (1,8m) 1 x VGA (1,8m)
	Keyboard / Mouse / Hub	2 x USB A-A
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
Emulation	Keyboard/ Mouse	Yes (HID with USB1.1
	Display	Yes(A.S.R.)
Graphic	17,3" LCD	1920 x 1080 (DVI Single Link)
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 18,8 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	67,80 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



The NEW RIW1708HDVI is a 17,3" FULL HD /LCD-Monitor, Keyboard-Drawer with LED Backlight. The new Equipement ensure a brilliant HD images and Monitoring in unprecedented quality. The RIW1708HDVI set a new standard in picture quality, inside the server room a value keyboard with number block and touchpad is integrated. 8 Port DVI / USB KVM and 3 Front USB connector complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit.

### Properties:

- 1U 17,3" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality unique torque hinges
- Easy one man assembly with the angles as provided by the console
- Adjustable depth from 640 mm up to 1140 mm tread depth
- Chromed metal handle
- Practical knurled screws
- 3 Front USB
- Integrated 8 Port DVI / USB KVM
- High graphic resolution, up to 1920 x 1080 with 60Hz DDC, DDC2 und DDC2B

### Keyboard versions:

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danish (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW) ,

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.

### Specifications:

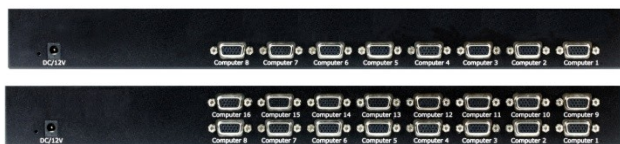
- DVI-Graphic Card ensures always a proper resolution even if the background needs to be rebooted
- DDC/EDID-reflection signal with Active Sync Replication (A.S.R) ensures a permanent (all Time) DDC-Emulation places the transmission of the monitor informations to all available Ports ,Allows the use of the original monitor driver of the monitor manufacturer and DVI-"boots" in the background
- Port-choice with the Select-Button or HotKeys (5 alternative keyboard shortcuts)
- Programmable Hotkey feature alternative Hotkey (Scroll, Cap, Esc, F12, Num)
- Integrated 3 Port-front USB2.0 device-Hub for shared use of USB2.0 und USB1.1 terminal device (another Mouse, Scanner, Printer, Cameras, USB-Storage medium, ...) to all PCs
- Independant/Shared change of USB2.0 device , ON/OFF-switchable audible signal
- LED Port/Status-Display with separate 2.0 Hub Display
- UHCI, OHCI USB Interface Support
- Independant or shareable USB2.0 Hub and PC-Port selection
- Permanent Keyboard /Mouse emulation for waiting times after the switch.
- Firmware over USB always up to date
- USB/Keyboard/Mouse emulation upgradable.
- Cascadable for 64 Servers
- Monitor OSD Menu in the following langagues adjustable German, English Spanish, Italian , French, Portuguese, Korean, Cyrillic, Japanese, trad. Chinese, mod. Chinese
- Supports all USB suitable operationg systems: for exemple Win98SE / 2000 / 2003... / ME / XP / Vista / Server 2008 /Windows 7, Windows 8 Windows 8.1 and the following versions LINUX, ...
- Compatible with MAC G3/G4, MACmini and iMAC. It works with Mac OS X 10.4.10 (and other systems)

**Technical data:**

Connections	Graphic	8 x DVI-I Socket (use only DVI-D cable )
	Keyboard / Mouse	8 X USB-Typ-B
	External	3 x USB 2,0 (switchable)
	Power supply	1 x DC-12V
Connection cable (not included in the delivery)	USB / DVI-cable	RKAB102DVI (1,8m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	8 x green (Port)
		8 x red (USB)
Emulation	Keyboard/ Mouse	Yes (HID with USB1.1
	Display	Yes(A.S.R.)
Port selction	Hotkey /Key sequence of keyboard	
Graphic	17,3" LCD	1920 x 1080 (DVI Single Link)
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 18,8 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 48,2 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,3 x 48,2 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



The NEW RIW1708HD is a 17,3" FULL HD /LCD-Monitor, Keyboard-Drawer with LED Backlight. The new Equipement ensure a brilliant HD images and Monitoring in unprecedented quality. The RIW1708HD set a new standard in picture quality, inside the server room a value keyboard with number block and touchpad is integrated. 8/16 Port / USB / PS2 KVM and 3 Front USB connectors complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit.



### Properties :

- 1U 17,3" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality unique torque hinges
- Easy one man assembly with the angles as provided by the console
- Adjustable depth from 640 mm up to 1140 mm tread depth
- Chromed metal handle
- Practical knurled screws
- 3 front USB
- Integrated 8 /16 Port USB/PS2 KVM
- High graphic resolution, up to 1920 x 1080 with 60Hz DDC, DDC2 und DDC2B

### Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danish (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW) ,

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.

### Specifications :

- 8 / 16 Port Tree-chainable Rackmount USB PS/2 KVM-Switch with OSD
- Almost the only KVM switch that reflects the monitor identifiers (DDC / EDID) and provide all ports permanently to the computers ,therefore the computer can be rebooted at any time with a correct and always displayed resolution
- Full-time DDC Support = Monitor-Emulation = each server is the permanent faked "original" to the KVM switch connected display and thus there are no problems with boots in background
- Tree-chainable zum for the next Level untill 8 KVM-TU8 KVM-Switches
- Tree-chaining distance until 5 meter
- Port capacity 1st scalable until 64/256 PCs overTree-chaining with TU-Models
- Integrated 3-port USB2.0 hub devices on the console front for sharing USB2.0 and USB1.1 devices (lfor another mouse, scanners, printers, cameras, USB storage devices, ...)
- USB and PS/2 Interface support for both sides- console und PC side
- Computer choice over Push-Buttons, Keyboard-Hotkeys und OSD-Menu
- Support DOS, Windows 95/98/SE/2000/XP/Vista/Server 2003/Server 2008 und Windows 7 / 9, Linux, MacOS, and more
- Numeric LED-Status displays to a clearly display of the port status
- Perfect keyboard / mouse emulation for a safe function on all computers and operating systems
- Pro-Port Controller to keep the function of keyboard and mouse in case of error , if the KVM switch didn't receives a external power
- Advanced PS / 2 mouse reset hotkeys for non-PnP OS , WinNT 4.0 and Linux
- Buzzer sound confirm the hotkey and port circuit (de-activated)
- Autoscan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection Auto-Logout Timeout-Support
- Firmware/Software upgradable

**Technical data:**

Connections KVM	Graphic / Keyboard / Mouse	8 / 16 HDDB-15
	External (HUB)	3 X USB-Typ-A
	Power supply	1 x DC-12V
Connection cable (not included in the delivery)	USB / PS2/VGA combo	RKAB1024 (1,8m) RKAB1034 (3,0m) RKAB1054(5,0m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	8 / 16 x green (Port)
		8 / 16 x red (USB)
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	Yes
Graphic	17" LCD	1920 x 1080
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm





**CONSOLE KVM 1U RACK 19"**  
**MONITOR 19"**  
**RISOLUZIONE MAX. 1280x1024**





RIW1901DVI is a 19" Monitor, Keyboard-Drawer with LED Backlight value keyboard with a number block, touchpad, DVI and VGA Input and 3 front USB complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit.

### Specifications :

#### Properties :

- 1U 19" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- DVI and VGA Input
- 3 front 2.0 USB
- Adjustable depth from 600 mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

- DVI-I and VGA Input, USB for Keyboard and Touchpad
- Compatible with most PS / 2 KVM and USB KVM switches
- Integrated front 3-port USB2.0 hub devices for sharing of USB2.0 and USB1.1 devices (to use another mouse, scanners, printers, cameras, USB storage devices, ...)
- OSD Menu in the following languages adjustable German, English Spanish, Italian , French, Portuguese, Korean, Cyrillic, Japanese, trad. Chinese, mod. Chinese
- Support friendly external power supply
- Support DOS, Windows 95/98/SE/2000/XP/Vista/Server 2003/Server 2008 and Windows 7 / 9, Linux, MacOS, etc.
- Perfect keyboard / mouse emulation for safe function on all computers and operating systems

#### Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danisch (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW) ,

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackballt keyboard.

**Technical data:**

Connections	Graphic	1 x DVI-I 1 x VGA
	Keyboard / Mouse	2 x USB-Typ-A
	External (Hub)	3 x USB 2,0 (Type-A)
	Power supply	1 x C13 IEC socket
Connection cable (included in the delivery)	Graphic	1 x DVI-D, 1 x VGA(1,8m)
	Keyboard/Mouse	2 x USB-A for A (1,8m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
Emulation	Keyboard/ Mouse	USB and PS/2
	Display	Yes
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 18,8 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	67 ,80 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



RIW1901DC is a 19" Monitor, Keyboard-Drawer with LED Backlight value keyboard with a number block, touchpad and 3 front USB complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit.

### Specifications :

- Practical DB-15 connector, combined with our cable KAB-102-4 (1 x VGA 2 x PS/2 and 1 x USB)
- Compatible with most PS / 2 KVM and USB KVM switches
- Integrated front 3-port USB2.0 hub devices for sharing of USB2.0 and USB1.1 devices (to use another mouse, scanners, printers, cameras, USB storage devices, ...)
- OSD Menu in the following languages adjustable German, English, Spanish, Italian, French, Portuguese, Korean, Cyrillic, Japanese, trad. Chinese, mod. Chinese
- Support friendly external power supply
- Support DOS, Windows 95/98/SE/2000/XP/Vista/Server 2003/Server 2008 and Windows 7 / 9, Linux, MacOS, etc.
- Perfect keyboard / mouse emulation for safe function on all computers and operating systems

### Properties :

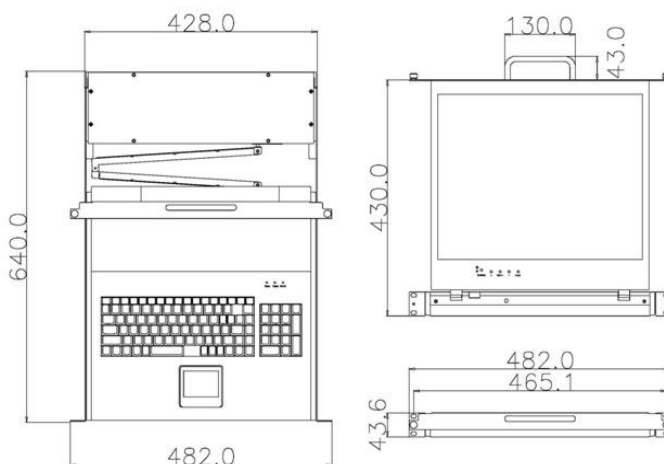
- 1U 19" LCD console, 640mm deep
- Stepless, adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- 3 front USB
- Adjustable depth from 600 mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 and DDC2B

### Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), and Russian (RU).

Versions available on request : UK-English (UK), Danish (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS), Swedish Finnish (SW),

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball keyboard.



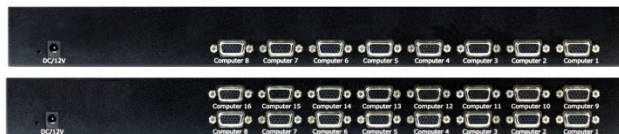
**Technical data:**

Connections KVM	Graphic / Keyboard / Mouse	1 x HDDB-15
	USB HUB	1 x USB 2.0 Typ-A
	External (Front-HUB)	3 x USB 2.0 Typ-A
	Power supply	DC 36 ~ 72 Volt
Connection cable (included )	USB / PS/2 / VGA Combo	RKAB1024 (1,8m)
Optional Connection cable	USB / PS/2 / VGA Combo	RKAB1034 (3,0m) RKAB1054 (5,0m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	Yes
Graphic	19" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	DC 36 ~ 72 Volt	
Output values	DC 12V., 4,16A	
Power consumption	19,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	67,80x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



The RIW1908TU / RIW1916TU is a 19" LED-Monitor, Keyboard-Drawer with LED Backlight, value keyboard with number block and Touchpad . integrated. 8 /16 Port USB/PS/2 KVM and 3 USB front USB complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit.

### Specifications :



### Properties :

- 1U 19" LCD console , 640 mm deep
- Stepless,adjustable angle from 0 to 105° over high quality unique connecting adapter
- Easy one man assembly with the angles as provided by the console
- Adjustable depth from 600mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- Integrated 8 / 16 Port USB/ PS/2 KVM
- Integrated 3 front USB 2.0
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

### Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danisch (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS).

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.

- 8 / 16 Port Tree-chainable Rackmount USB PS/2 KVM-Switch with OSD
- Almost the only KVM switch that reflects the monitor identifiers (DDC / EDID to all ports permanently and the computer can reboot at any time and the resolution is still always displayed correctly
- Full-time DDC Support = Monitor-Emulation = every server is the "original" permanent faked connected display to the KVM switch to avoid problems with boots in background.
- Tree-chainable for the next Level until 8 KVM-TU8 KVM-Switches
- Tree-chaining Distance until 5 meter
- Port capacity is scalable up to 64/256 PCs over Tree-chaining with TU-models
- USB and PS / 2 interface support on both sides - console and PC side
- Computer selection via push buttons, keyboard hotkeys and OSD menu
- Supports DOS, Window 95/98/SE / 2000 / 2003... / ME / XP / Vista / Server 2008 /Windows 7, Windows 8 Windows 8.1 and the following versions LINUX, MacOS...etc
- Compatible with MAC G3/G4, MACmini and iMAC. It works with Mac OS X 10.4.10 (and other systems)
- Numeric LED status indicators for clear display of port status
- Permanent Keyboard /Mouse emulation for safe function on all computers and operating systems
- Pro-port controller to maintain the keyboard and mouse by error unless the KVM switch receives no external power
- Advanced PS / 2 mouse reset hotkeys for non-PnP OS ,WinNT 4.0 and Linux
- Buzzer sound acknowledges the hotkey and port circuit (de-activated)
- Autoscan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection
- Auto-logout timeout support
- Firmware / Software upgradable

**Technical data:**

Connections KVM	Graphic	8 /16 HDDB-15
	External (hub)	3 x USB 2.0 (Type-A)
	Power supply	1 x DC-12V
Connection cable (not included in the delivery)	PS2/USB / VGA/ COMBO	RKAB1024 (1,8m) RKAB1034 (3,0m) RKAB1054 (5,0m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	8 x 16 green (Port)
		8 x red (USB)
Emulation	Keyboard/ Mouse	USB / PS/2
	Display	Yes
Port selction	Push Button / Hotkey / OSD	
Graphic	19" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 16,8 Watts	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm





RIW1908TU-IP / RIW-1916TU-IP is a 19" Monitor, Keyboard-Drawer with LED Backlight. a value keyboard with number block and touchpad .integrated 8 /16 Port USB/PS2 KVM with IP module and 3 Front USB connector complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit. The integrated elescopic dual-rail ensures the separate pull of keyboard and monitor .

## Specifications :

- 1 x IP module – many users can use a"Shared Session" for a access to the identical Session (IP-User -shared with the local user)
- 8 / 16 Port Tree-chainable Rackmount USB PS/2 KVM-Switch with OSD
- Easy setup and operation via web-Interface.
- DNS and authentication Settings (Local Authentication, LDAP or RADIUS)
- Almost the only KVM switch that reflects the monitor identifiers (DDC / EDID) and provide all ports permanently to the computers ,therefore the computer can be rebooted at any time with a correct and always displayed resolution
- Full-time DDC Support = Monitor-Emulation = each server is the permanent faked "original" to the KVM switch connected display and thus there are no problems with boats in background
- Tree-chainable zum for the next Level untill 8 KVM-TU8 KVM-Switches
- Tree-chaining distance until 5 meter
- Port capacity ist scalable until 64/256 PCs overTree-chaining with TU-Models
- USB and PS/2 Interface support for both sides- console und PC side
- Computer choice over Push-Buttons, Keyboard-Hotkeys und OSD-Menu
- Support DOS, Windows 95/98/SE/2000/XP/Vista/Server 2003/Server 2008 und Windows 7 / 9, Linux, MacOS, and more
- Numeric LED-Status displays to a clearly display of the port status
- Perfect keyboard / mouse emulation for a safe function on all computers and operating systems
- Pro-Port Controller to keep the function of keyboard and mouse in case of error , if the KVM switch didn't receives a external power
- Advanced PS / 2 mouse reset hotkeys for non-PnP OS , WinNT 4.0 and Linux
- Buzzer sound confirm the hotkey and port circuit (de-activated)
- Autoscan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection Auto-Logout Timeout-Support
- Firmware/Software upgradable
- 1024-bit PKI Authentication & 256-bit SSL Encryption
- Support LDAP / RADIUS / Active Directory Server

## Properties :

- 1U 19" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- 3 Front USB
- Integrated 8/16 port USB/PS2/KVM with IP module
- Adjustable depth from 600mm up to 1130mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B
- Worldwide access through a integrated IP module

## Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danish (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW) ,

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.

**Technical data:**

Connections KVM	Graphic / Keyboard / Mouse	8 / 16 HDDB-15
	External (HUB)	3 x USB-2.0 Typ-A
Connection IP module	IP access	1 x RJ-45
	Serial	1 x RS232
	Power supply	1 x DC-12V
Connection cable (not included in the delivery)	USB / PS2/VGA combo	RKAB1024 (1,8m) RKAB1034 (3,0m) RKAB1054 (5,0m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	8 / 16 x green (Port)
		8 / 16 x red (USB)
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	Yes
Port selction	Push Buttons / Hotkey / OSD	
Graphic	19" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



**CONSOLE KVM 1U RACK 19"**  
**MONITOR 19"**  
**RISOLUZIONE FULL HD 1920x1080**



## **RIS1908HDVI**

RIS1908HDVI is a 19" FULL HD / LCD-Monitor, Keyboard-Drawer with LED Back light. The new equipment ensures brilliant HD images and monitoring to unprecedented quality. RIS1908HDVI sets a new standard in picture quality inside the server room. A value keyboard with number block and touch-pad, the integrated DVI and USB Input are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit. Depth 611mm

### **PARTICULARITY:**

This version has the rare function of audio performance. Per audio output it is possible to connect a reproducing device, like a separate speaker or headphone. The reproducing device is not part of the scope of delivery.

### **FEATURES:**

- \* Adjustable depth from 555 mm up to 900 mm tread depth
- \* Eight DVI, Audio and USB Input connectors
- \* compatible with the most KVM-Switches
- \* Support friendly external power supply
- \* Support DOS, Windows Series /Server 2008 / Server 2013, Linux, Mac OS, etc.
- \* Perfect keyboard / mouse emulation for safe function on all computers and operating systems
- \* High graphic resolution, up to 1920 x 1080 (Full HD)

### **KEYBOARD VERSIONS:**

Available in following versions: German (DE), US-English (US), British-English (UK), French (FR), Spanish (SP), Italian (IT), Turkish (TR), Swedish/Finnish (SWE/FI), Swiss (CH) and Russian (RU)

**- The corresponding cables RKAB102SDVI (DVI-D, USB, AUDIO Lg. 1,8m)**

**- Optional compatibility to HDMI devices with RKAB102SHDU (Source HDMI to DVI switch 1,8m)**

## Specifications:

Type		RIS1908HDVI
Computer Connection (direct/max)		8
CPU Port Selection		Front panel buttons / OSD menu / Hot Key
IP Remote Control		No
LCD monitor	Monitor type	18.5 inch wide screen SXGA color TFT-LCD
	Ratio	16:9
	Visible square	409.8(H) x 230.4(V)mm
	Resolution(max)	1920 x 1080 (Full HD)
	Support Color	16.7M colors (RGB 6-bit +Hi-FRC)
	White Luminance	300 cd/m2 (Typ.)
	contrast	1000:1 (Typ)
	Back light	LED
	Pixel Pitch	0.3 (per one triad) x 0.3
	LCD MTBF	100.000 hours
	Input power	DC 12 V
Connectors	PC connectors	8x DVI-D
		8x USB (Type B)
		8x Combo-Audio (microphone & speaker)
		1 x USB Type A (front) for external mouse or keyboard
		2 x USB Type A (rear) for external mouse or keyboard
		2 x 3,5mm Audio (rear) for speakers and microphone
Keyboard	Keyboard	Standard 100keys (10 different languages for choose)
	Compatible IBM/AT	Win Series/Server 2008/Server 2013/Linux, MacOS, etc.
	Using life	>1,000,000 times
Mouse	Type	Touch Pad
	X/Y resolution	>1000dots/inch (40x40/mm)
	Using life	>1,000,000 times
Power	Power (AC)	~100V-240V
	Using life	MTBF >60,000hours 25 °C
Housing		Metal ( black )
Rail system		Single Rail
Gross weight		19.0 kg
Dimensions (installation depth)		555 x 450 x 44,5 mm
Dimensions (with handle)		611 x 450 x 44,5 mm
Rack installation depth		555mm - 900mm (min/max adjustable)
Operating / Storage Temp		-10 - 50°C / -20 - 60°C





**CONSOLE KVM 1U RACK 19"**

**MONITOR 17" E 19"**

**RISOLUZIONE MAX 1280x1024 su CAT5**





- 17" LCD Monitor with LED Backlight
- 8 Port CAT.5 KVM
- Installation Depth 559mm only



RAK1708C5 is a 17" Monitor-Keybaord-Drawer with LED backlight. A value keyboard with number block and touchpad and the integrated 8 Port CAT.5 KVM-switch are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.

The device can optional be equipped with an IP-module.



### Properties:

- 1U 17" LCD console, 571mm total depth
- Stepless, adjustable angle from 0 to 105° with high quality torque hinges
- Easy one-man-assembly with the included installation angles
- Integrated 8-port CAT.5 KVM-switch
- Adjustable depth: 560mm to 900mm (Standard)
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz

### Keyboard versions:

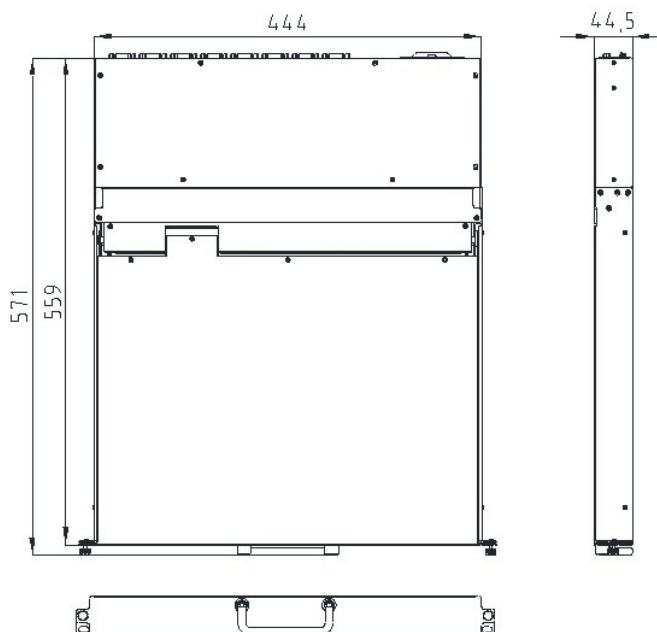
**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT). Swiss / German (CH) and swedish / finnish (SWE/FI)

**Versions available on request:** Turkish (TK), Russian(RU)



### Specifications:

- Cascadable up to a port capacity of 128 ports by tree-chaining
- Computer selection by push buttons, Keyboard -Hotkeys and OSD-Menu
- On-Screen-Display und system notification as a Pop-Up
- Automatic Power ON/OFF pushing the console back to the rack
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED status indicators for clear display of port status



**Technical data:**

Connections KVM	Graphic / Keyboard / Mouse	8 x RJ-45
	Console(remote)	1 x RJ-45 (only with IP version)
	Console (local)	2 x USB-A
	Power supply	1 x DC-12V
Connections (Standard)	1x VGA und 1x USB <b>Standard</b>	8 x RDE-USB <b>Standard</b>
	1x VGA und 2x PS/2 <b>Optional</b>	RDE-PS/2 <b>Optional</b>
Switch	LCD settings	5 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green/red
	Number	1 x blue
	Capital letters	1 x blue
	Scroll	1 x blue
LED-Display KVM	Port/Switch	8 x green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	JA
Port selection	Hotkey / OSD	
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m²
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	-10 - 50°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	16.8 kg incl. angles
	Dimension (L x W x H) w/o handle	555 x 450 x 44,5mm (19" / 1U)
	Dimension (L x W x H) w. handle	567 x 450 x 44,5mm (19" / 1U)
Packaging	Weight	17.8 kg
	Dimension (L x W x H)	74 x 62 x 18 cm

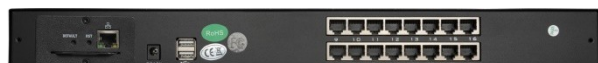
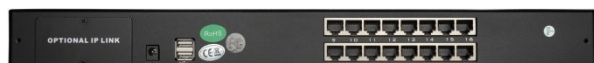


- 17" LCD Monitor with LED Backlight
- 16 Port CAT.5 KVM
- Installation Depth 559mm only



RAK1716C6 is a 17" Monitor-KeyBoard-Drawer with LED backlight. A value keyboard with number block and touchpad and the integrated 16 Port CAT.5 KVM-switch are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.

The device can optional be equipped with an IP-module.



## Properties:

- 1U 17" LCD console, 571mm total depth
- Stepless, adjustable angle from 0 to 105° with high quality torque hinges
- Easy one-man-assembly with the included installation angles
- Integrated 16-port CAT.5 KVM-switch
- Adjustable depth: 560mm to 900mm (Standard)
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz

## Keyboard versions:

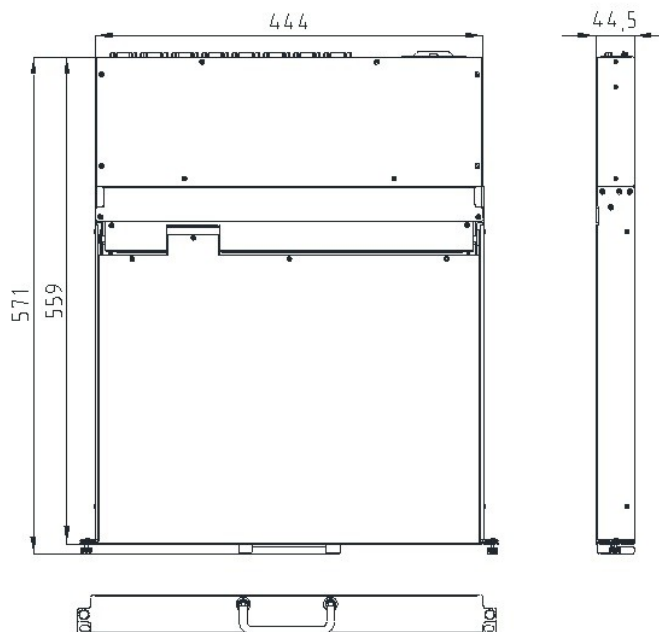
**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT). Swiss / German (CH) and swedish / finnish (SWE/FI)

**Versions available on request:** Turkish (TK) and Russian(RU)



## Specifications:

- Cascadable up to a port capacity of 256 ports by tree-chaining
- Computer selection by push buttons, Keyboard-Hotkeys and OSD-Menu
- On-Screen-Display und system notification as a Pop-Up
- Automatic Power ON/OFF pushing the console back to the rack
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED status indicators for clear display of port status

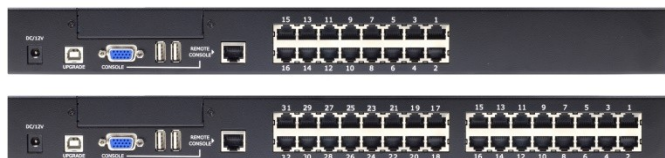


**Technical data:**

Connections KVM	Graphic / Keyboard / Mouse	16 x RJ-45
	Console(remote)	1 x RJ-45 (only with IP version)
	Console (local)	2 x USB-A
	Power supply	1 x DC-12V
Connections (Standard)	1x VGA und 1x USB <b>Standard</b>	16 x RED-USB <b>Standard</b>
	1x VGA und 2x PS/2 <b>Optional</b>	RED-PS/2 <b>Optional</b>
Switch	LCD settings	5 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green/red
	Number	1 x blue
	Capital letters	1 x blue
	Scroll	1 x blue
LED-Display KVM	Port/Switch	16 green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	JA
Port selection	Hotkey / OSD	
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	-10 - 50°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	17.6 kg incl. angles
	Dimension (L x W x H) w/o handle	555 x 450 x 44,5mm (19" / 1U)
	Dimension (L x W x H) w. handle	567 x 450 x 44,5mm (19" / 1U)
Packaging	Weight	18.6 kg
	Dimension (L x W x H)	74 x 62 x 18 cm



RIW1916C5 / RIW1932C5 is a 19" Monitor, Keyboard-Drawer with LED Backlight. a value keyboard with number block and touchpad integrated 16 /32 Port CAT.5KVM complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit. The integrated elescopic dual-rail ensures the separate pull of keyboard and monitor .



## Properties :

- 1U 19" LCD console , 600mm deep
- Stepless,adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- Integrated 16 /32 port CAT.5KVM
- Adjustable depth from 600 mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danish (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW)

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.

## Specifications :

- Tree-chainable for next Level up to 16 KVM-0116PMC Switches
- Tree-chaining distance up to 5 meter
- Port capacity is scalable up to 256 PCs through Tree-chaining with PMC Models
- Computer-Selection through Keyboard -Hotkeys and OSD-Menu
- On-Screen-Display und system notification as a Pop-Up
- Additional console port (competing)
- With an additional (optional) receiver PMC-300R can reflect the control panel and through 1: 1 Cat.x cable connection
- Support DOS, Windows 95/98/SE/2000/XP/Vista/Server 2003/Server 2008 und Windows 7 / 9, Linux, MacOS, etc.
- Numeric LED-Status displays to a clearly display of the port status Buzzer sound confirm the hotkey and port circuit (de-activated)
- Autoscan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection
- Auto-Logout Timeout-Support
- Firmware/Software upgradable
- Auto-Logout Timeout-Support



Connections KVM	Graphic / Keyboard / Mouse	16 x 32 x RJ-45
	Console(remote)	1 x RJ-45 for PMC-300R
	Console (local)	1 x VGA/2 x USB-A
	Firmware	1 x USB-B
	Power supply	1 x DC-12V
	Remote	1 x RJ-45
Connection cable / Dongle (not included in the delivery)	VGA & 2 x PS2	RDE-PS/2 V3
	VGA & 1 x USB	RDE-USB V3
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	16 /32 green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
Graphic	19" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm





RIW1916C5-IP / RIW1932C5-IP is a 19" Monitor, Keyboard-Drawer with LED Backlight. a value keyboard with number block and touchpad .integrated 16 /32 Port CAT.5 KVM with IP module complete the external design. The casing conforms the 1U Standard, easily installed and mountable with the included mounting kit. The integrated elescopic dual-rail ensures the separate pull of keyboard and monitor .

Two consoles and IP-Access, comfortable server management from different locations

Up to three user stations (1x locally, 1x "shared" on IP and 1 x "shared" with "optional" Receiver 1: 1 through CAT cable)

Selection of different administrations

All operating options show the identical image in "competing" service

## Properties :

- 1U 19" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- Integrated 16 /32 Port CAT.5 KVM with IP module
- Adjustable depth from 600mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions :

Available in following versions : German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT), und Russian (RU).

Versions available on request : UK-English (UK), Danisch (DK), Swiss(CH), Thai (TH), Turkish (TK), Japanese(JP), Chinese (CI), Belgian (BE), norwegian (NO), portuguese (PT), french/kanadian (CA) and Israeli /Hebrew (IS) ,Swedish Finnish (SW)

Trackball version is possible , in combination with a [Cherry G84-4400](#) Trackball Keyboard.



## Specifications :

- CAT x cabling for up to 30m distance connection
- Administration access from different locations
- Tree-chainable up to 16 PMC KVM-Switches as a slaves
- On-Screen-Display and system notifications as a Pop-Up
- Upgradable Firmware
- "Remote" User-Management with dedicated-assignment and visibility of the respective user assigned server (user groups). The IP Extender can work without ActiveX and even without Java extremely fast over a supplied Win32 client viewer software.
- Access via the platform-independent and fast Java viewer for all operating systems -
- "remote" in both viewers and the German "AltGr" and support also the special characters | @ € ~ ..etc
- The Viewer can be easily downloaded from the web interface
- Suitable for any PC / Server with PS / 2 and / or USB
- Port capacity is scalable up to 256 PCs through Tree-chaining with PMC models
- Computer selection through keyboard-Hotkeys and OSD-Menu
- additional console port (competing)
- With an additional (optional) Receiver PMC-300R can reflect the control panel and through a 1: 1 Cat.x cable connection
- Support DOS, Windows 95/98/SE/2000/XP/Vista/Server 2003/Server 2008 and Windows 7 / 9, Linux, MacOS, etc.
- Numeric LED-Status displays to a clearly display of the port status
- Buzzer sound confirm the hotkey and port circuit (de-activated)
- Autoscan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection
- Auto-Logout Timeout-Support

**Technical data:**

Connections KVM	Graphic / Keyboard / Mouse	16 / 32 x RJ-45
	Console(remote)	1 x RJ-45 for PMC-300R
	Console (local)	1 x VGA/2 x USB-A
	Firmware	1 x USB-B
	Power supply	1 x DC-12V
IP module	Remote	1 x RJ-45
	Serial	1 x RJ -11 (devices) 1 x RJ-11 (Hyper Terminal)
Connection cable / Dongle (not included in the delivery)	VGA & 2 x PS2	RDE-PS/2 V3
	VGA & 1 x USB	RDE-USB V3
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	16 / 32 green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	Yes
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



**CONSOLE KVM 1U RACK 19"**  
**MONITOR 17"**  
**RISOLUZIONE FULL HD su CAT5**



RIW1716HDC5 (32) is a Full HD 17,3" Monitor, Keyboard-Drawer with LED Backlight. A value keyboard with number block and touchpad and the integrated 16 / 32 Port CAT.5 KVM are completing the external design. The new equipment ensures brilliant HD images and monitoring in unprecedented quality. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.

### Properties:

- 1U 17,3" LCD console, 640mm depth
- Stepless, adjustable angle from 0 to 105° over high quality unique torque hinges
- Easy one man assembly with the included installation angles.
- Integrated 16 / 32 port CAT.5 KVM
- Adjustable depth from 640mm up to 1140mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1920 x 1080 with 60Hz DDC, DDC2 and DDC2B

### Keyboard versions:

**Available in following versions:** German (DE), US-English (US), UK-English (UK), French (FR), Spanish (SP), Italian (IT) and Swiss / German (CH)

**Versions available on request:** Turkish (TK) and Russian (RU)

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball Keyboard.

### Specifications:

- Tree-chainable for next level up to 16 PMC-0132 CAT.5 KVM-Switches
- Tree-chaining distance up to 5 meters
- Port capacity is scalable up to 256 PCs through tree-chaining with PMC models
- Computer selection by Keyboard -Hotkeys and OSD-Menu
- On-Screen-Display und system notification as a Pop-Up
- Additional console port (competing)
- With an additional (optional) receiver PMC-300R the control panel can be reflected by an 1:1 Cat.x cable connection on a distance up to **300m**.
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED-Status displays, for a clear display of the port status
- Buzzer sound confirms the hotkey and port circuit (de-activated)
- Autoscan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection, Auto-Logout , Timeout-Support
- Firmware/Software upgradeable
- Auto-Logout, Timeout-Support

**Technical data:**

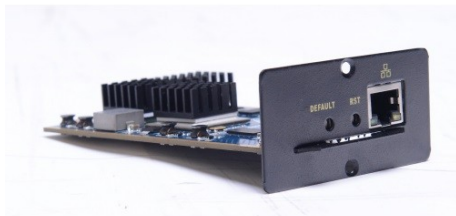
Connections KVM	Graphic / Keyboard / Mouse	16 / 32 x RJ-45
	Console(remote)	1 x RJ-45 for PMC-300R
	Console (local)	1 x VGA/2 x USB-A
	Firmware	1 x USB-B
	Power supply	1 x DC-12V
Connection cable / Dongle (not included in the delivery)	VGA & 2 x PS2	RED-PS/2-V3
	VGA & 1 x USB	RED-USB-V3
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	16 / 32 green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
Graphic	17,3" LCD	1920 x 1080
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	67,80 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm





## **ACCESSORI: CONSOLE KVM Rack 19” IP MODULE**



**IP MODULE:**

The RIK-101 is the optional IP module for ROSE-ELECTRONICS ITALIA RIS & RAK series. It is compatible to all devices of the series which are built with an optional slot for an IP Interface. RIK-101 realizes the „remote control“ function and gives users the possibility for global access to the connected KVM console or KVM switch. An important innovation, compared with the former model, is that it supports remote resolutions up to 1920 x 1080 at 60Hz.

The global access also ensured when the connected KVM drawer is closed, because of the fact that the IP module and the connected switch stay active. This IP module is the easiest way for a successful and professional multi-computer-management.

**FEATURES:**

- \* superior remote video quality up to 1920 x 1080 at 60Hz
- \* operator-friendly user interface
  
- \* high reliability

**Specification:**

Product number		RIK-101
Control Port	Keyboard	RJ45 port x 1
	Mouse	
	Video	
Input Port	Keyboard	HD15F/integration port x 1
	Mouse	(VGA video, USB mouse/keyboard, PS/2mouse/keyboard)
	Video	
Power Supply Port		DC-5.5*2.1
Reset		Network Re-connect
Default		Initialize IP module default IP address, administrator name and initial password
LED Indicator		Power indicator
Max Resolution		1920 x 1080@60Hz
Power Supply		DC 12V 1000mA
Operating Temperature		0-50°C
Storage Temperature		-20 -60
Housing		metal
Weight		0.5KG
Dimensions(L x W x H )		162*78*30mm

## Model Name:

### Basic PDU

## Features:

### Power Management:



#### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.

### Power Management Upgrade: (work with RI-MON-8200)



#### Remote Monitor

Remote monitoring PDU status by web and SNMP



#### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



#### Environment Detection

Optional accessory probe to detect temperature and humidity. (available by model)



#### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



#### Central Management

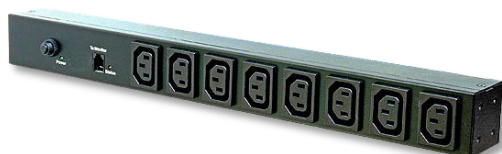
Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Model List

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIPDU8B10</a>	(8) IEC 320 C13	C19 to C14, power cord, 3m	230V	10 Amp
<a href="#">RIPDU8B</a>	(8) IEC 320 C13	C19 to C20, power cord, 3m	230V	16 Amp
<a href="#">RIPDU24B-32</a>	(21) IEC 320 C13 (3) IEC 320 C19	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU6B-332</a>	(6) IEC 320 C19	IEC309, power cord, 3m	400V AC, 3-Phase 3P+N+G / 230V	32 Amp / phase
<a href="#">RIPDU36B-332</a>	(30) IEC 320 C13 (6) IEC 320 C19	IEC309, power cord, 3m	400V AC, 3-Phase 3P+N+G / 230V	32 Amp / phase
<a href="#">RI-MON-8200</a>	(8) PDU Connection	Power Adapter 1,8m	230V	8x20 Amp

## Model Number:

**RIPDU8B10**



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	10 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	2300 VA
		Connection	IEC320 C14, power cord, 3m
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
None		CPM CONNECTION	RJ11
Dimension/Weight		Operation	
Net size	432 x 44 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	1.21 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 140 x 90 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	1.43 kg, 2 pc per box	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE		
Warranty	2 years		

## Package

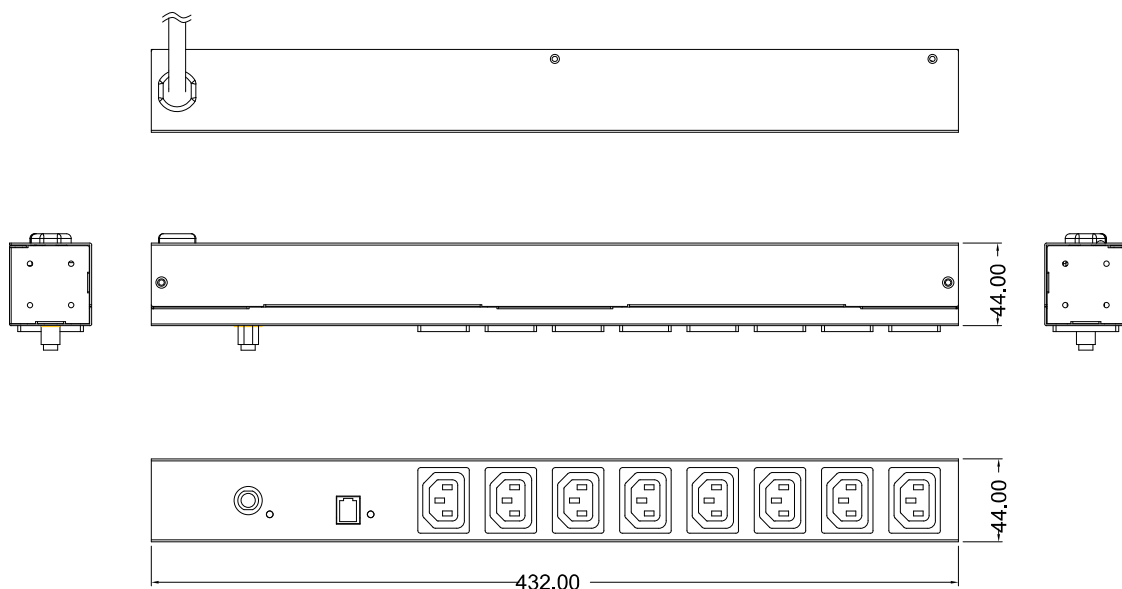
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection

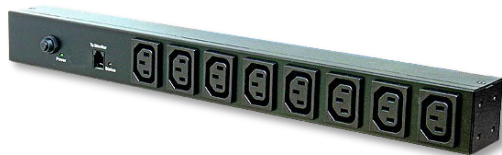


## Line Drawing



## Model Number:

**RIPDU8B**



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	3680 VA
		Connection	IEC320 C20, power cord, 3m
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
None		CPM CONNECTION	RJ11
Dimension/Weight		Operation	
Net size	432 x 44 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	1.3 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 210 x 90 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	3.0 kg, 2 pc per box	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE		
Warranty	2 years		



## Package

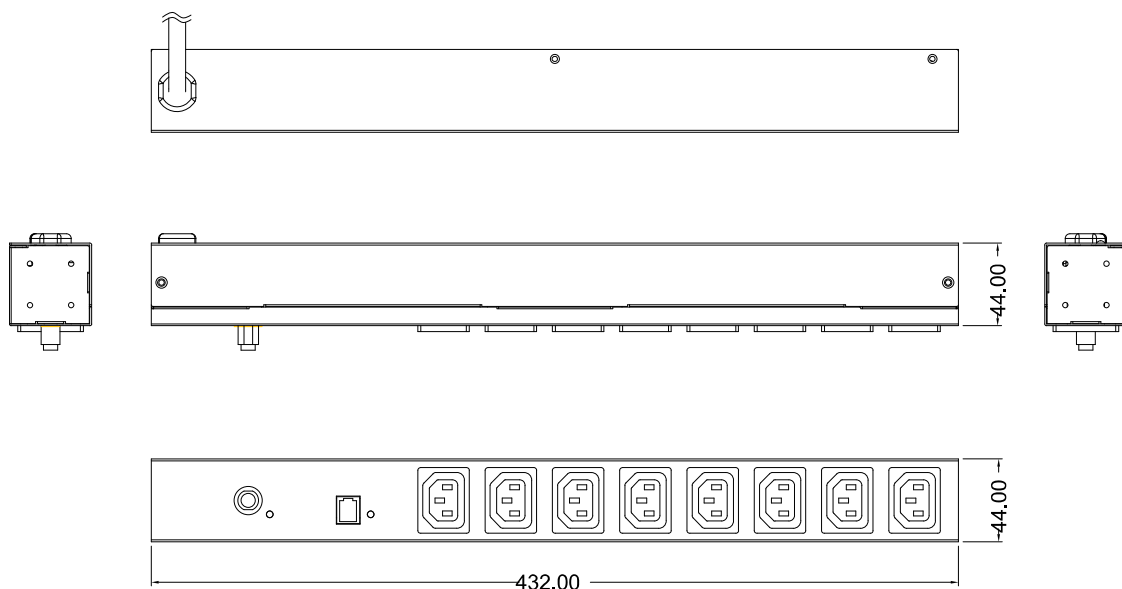
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU24B-32**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(20) IEC320 C13 (4) IEC320 C19	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3m
		Overload Protection	(2) 16A circuit breaker (UL1077)
Measurement		Other	
None		CPM CONNECTION	RJ11
Dimension/Weight		Operation	
Net size	1645 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	4.5 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	5.7 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE		
Warranty	2 years		

## Package

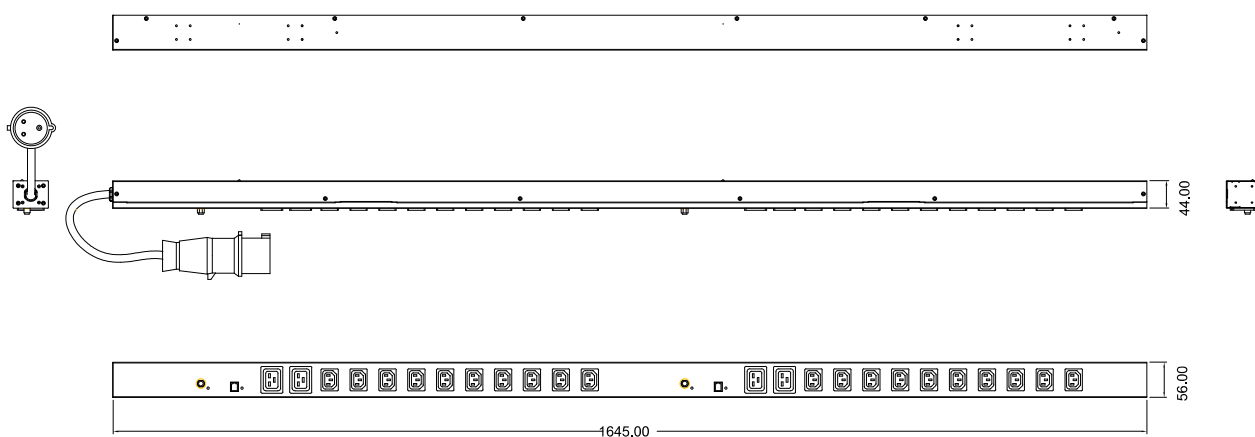
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU6B-332**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	32 A / phase
Outlet	(6) IEC320 C19

### Input

Voltage	400 VAC, 3 Phase 3P+N+PE
Frequency	50/60Hz, full range
Max. Capacity	22 kVA
Connection	IEC309, power cord, 3m
Overload Protection	(6) 16A circuit breaker (UL489)

### Measurement

None

### Other

CPM CONNECTION	RJ11
----------------	------

### Dimension/Weight

Net size	432 x 216 x 44.5 mm
Net weight	4.0 kg
Package Size	490 x 330 x 155 mm
Package Weight	4.6 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE
Warranty	2 years

## Package

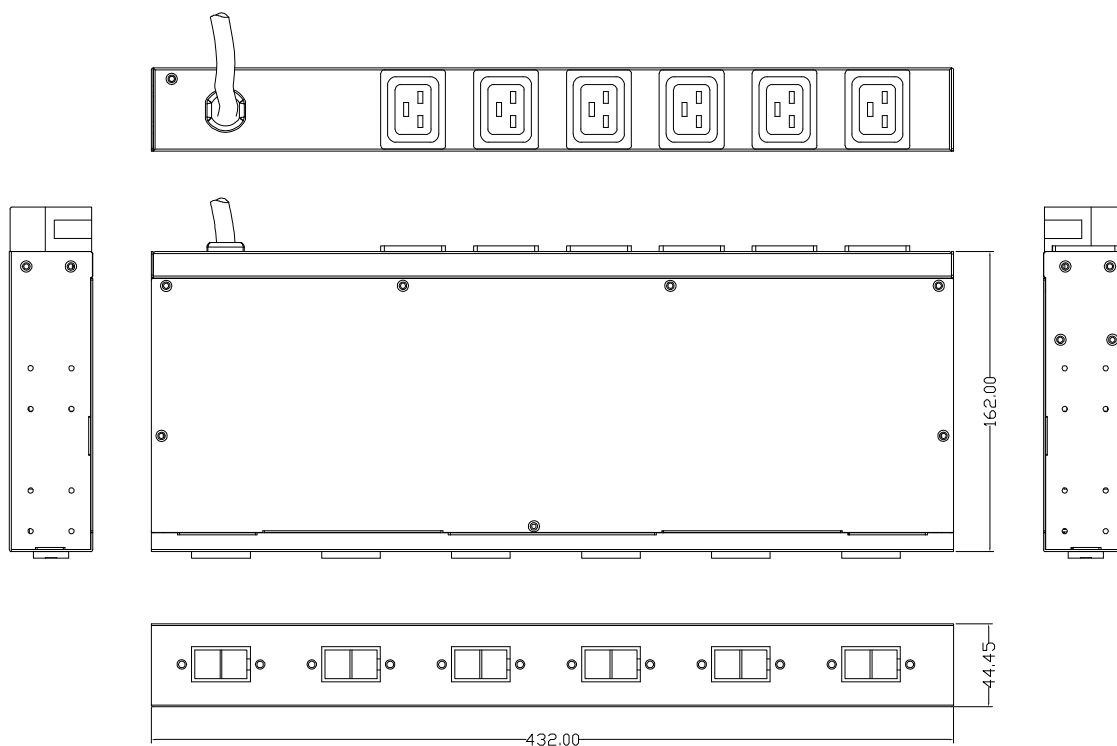
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU36B-332**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	32 A / phase	Frequency	50/60Hz, full range
Outlet	(30) IEC320 C13 (6) IEC320 C19	Max. Capacity	22 kVA
		Connection	IEC309, power cord, 3m
		Overload Protection	(6) 16A circuit breaker (UL489)
Measurement		Other	
None		CPM CONNECTION	RJ11
Dimension/Weight		Operation	
Net size	1778 x 56 x 80 mm	Operation Temp.	0 ~ 45°C
Net weight	7.1 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	8.3 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE		
Warranty	2 years		



## Package

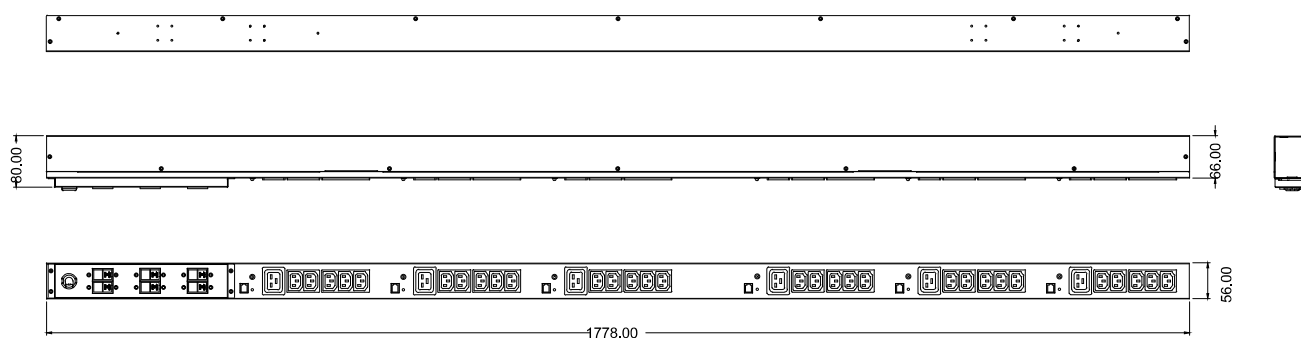
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

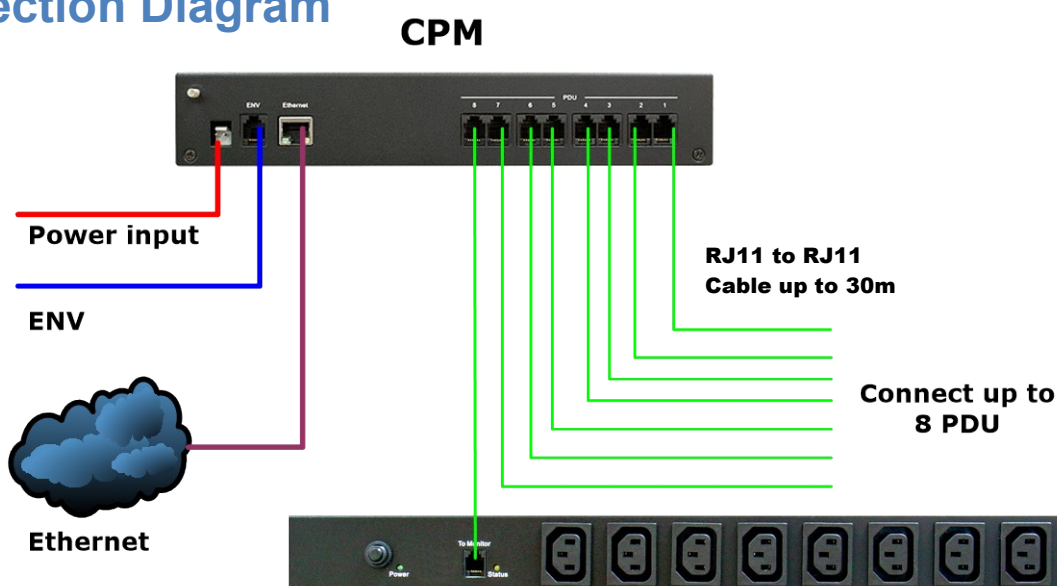
**RI-MON-8200**



## Specification

Measurement		Other	
Current	(8) +/-2%+/-0.1A @0.2A ~ 20 A	ENV connection	RJ11
Dimension/Weight		PDU connection	(8) RJ11
Net size	253 x 65 x 44 mm	Operation	
Net weight	1.1 kg	Operation Temp.	0 ~ 45°C
Package Size	505 x 140 x 90 mm	Operation Humid.	0% ~ 90% RH
Package Weight	1.4 kg	Storage Temp.	-20°C ~ 65°C
Approval		Storage Humid.	0% ~ 90% RH
Certification	CE, FCC		
Warranty	2 years		

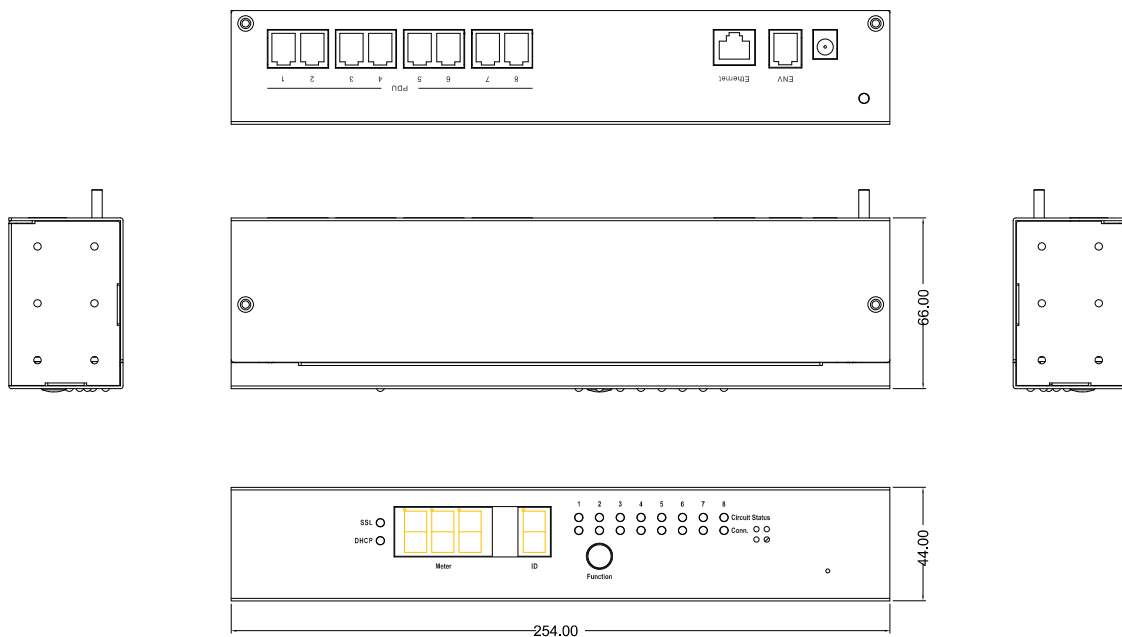
## Connection Diagram



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Via Monza, 16 Cernusco Lombardone 23870 (LC) Tel. Ufficio/Fax: 0039 039 291 2526 Cell.+39 329 1768522

## Line Drawing



## Model Name:

## Monitored PDU

Monitored PDU can monitor the total power usage information from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

Some monitor PDU has one environmental sensor ports that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

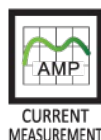
- ✦ Built-in embedded system:  
Support 10M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, NTP, SNMP v1.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.

### Power Management:



#### Remote Monitor

Remote monitoring PDU status by web and SNMP



#### Current Measurement

Measure PDU total current consumption.



#### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



#### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



#### Environment Detection

Optional accessory probe to detect temperature and humidity. (available by model)



#### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.



#### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement. (available by model)



#### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.

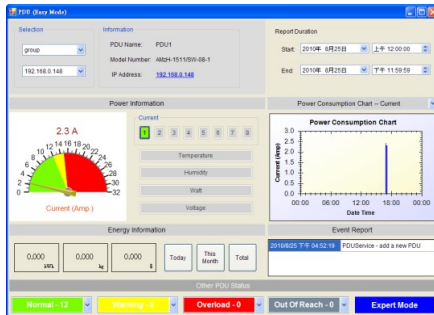


## Central Management

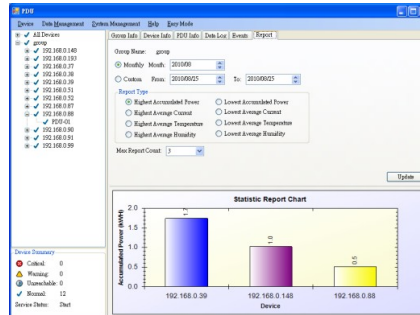
Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Central Management Software

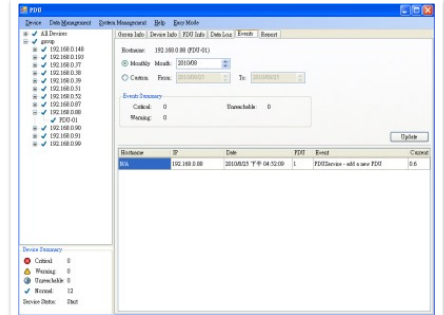
*PC based software, run under Win OS, for central management of large amount of PDU Intelligent Power*



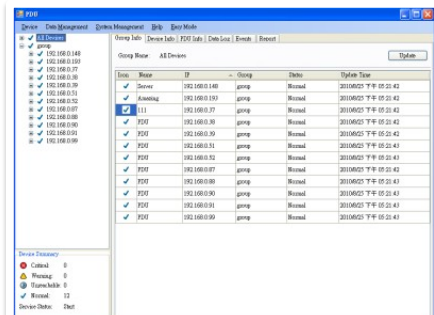
Graphic Monitoring Interface



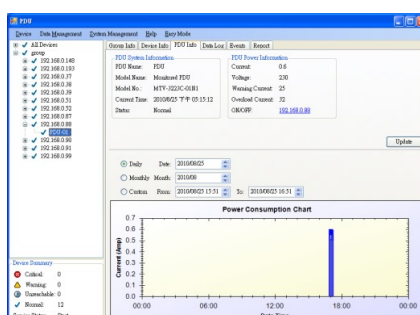
PDU Summary Report



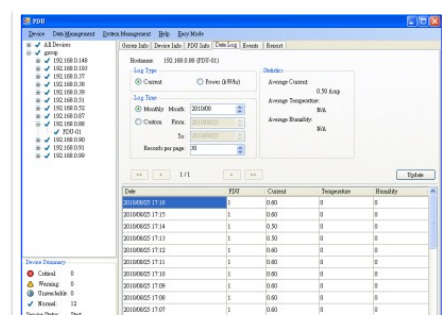
PDU Event Log



All PDU Status Information



PDU Status Information



PDU Data Log

## Features:

- Monitor a large amount of PDU power consumption simultaneously.
- Group Management of a large amount of the PDU.
- Provide power consumption chart for daily monthly or the user-defined period report.
- Send the email and trap to the specific account when the power event occurs.
- Forward the trap to the user-defined account.
- Events can be logged and exported to the Syslog server.

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## Model List

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIPDU12M</a>	12 x IEC 320 C13	C19 to C20, power cord, 3m	230V	16 Amp
<a href="#">RIPDU8M10</a>	8 x IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C14, 3m	230V	10 Amp
<a href="#">RIPDU8M</a>	8 x IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU16M-32</a>	14 x IEC 320 C13 2 x IEC 320 C19	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU24M-332</a>	18 x IEC 320 C13 6 x IEC 320 C19	IEC309, power cord, 3m	400V AC, 3-Phase 3P+N+G / 230V	32 Amp / phase
<a href="#">RIPDU24M-316</a>	21 x IEC 320 C13 3 x IEC 320 C19	IEC309, power cord, 3m	400V AC, 3-Phase 3P+N+G / 230V	16 Amp / phase
<a href="#">RIPDU8MA</a>	8 x IEC 320 C13 Advanced	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU1M-32</a>	1 x IEC 309 32A	IEC309, power cord, 3m 2U Rack 19"	230V	32 Amp



## Model Number:

**RIPDU12M**



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz ,full range
Outlet	(12) IEC320 C13	Max. Capacity	3680 VA
		Connection	IEC320 C20, power cord, 3 m
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-5%+/-0.1A @0.2A ~ 20 A	ENV Connection	None
Dimension/Weight		Operation	
Net size	700 x 44 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	1.9 kg	Operation Humid.	0% ~ 90% RH
Package Size	870 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.5 kg, For Box 2 Pc.s	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE		
Warranty	1 years		

## Package

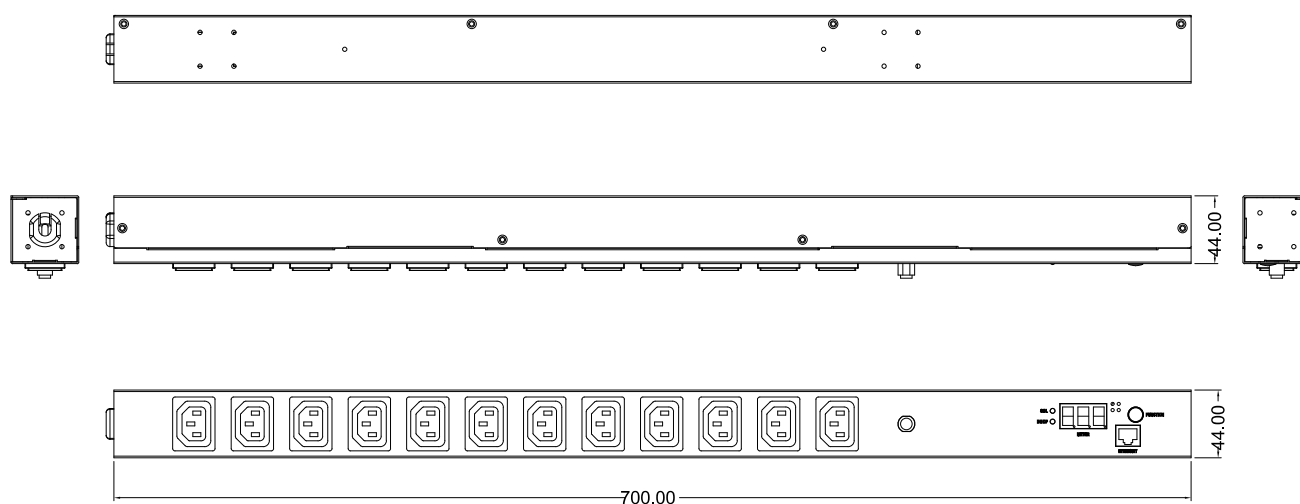
No.	Description.
1	PDU 2 set.
2	Rack mount accessories 2 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU8M10**



## Specification

### Output

Voltage	200-240 VAC
Max. Current	10 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz ,full range
Max. Capacity	2300 VA
Connection	IEC320 C20
Overload Protection	Circuit breaker (UL1077)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
---------	---------------------------

### Other

ENV Connection	None
----------------	------

### Dimension/Weight

Net size	432 x 90 x 44 mm
Net weight	1.9 kg
Package Size	505 x 210 x 90 mm
Package Weight	2.2 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

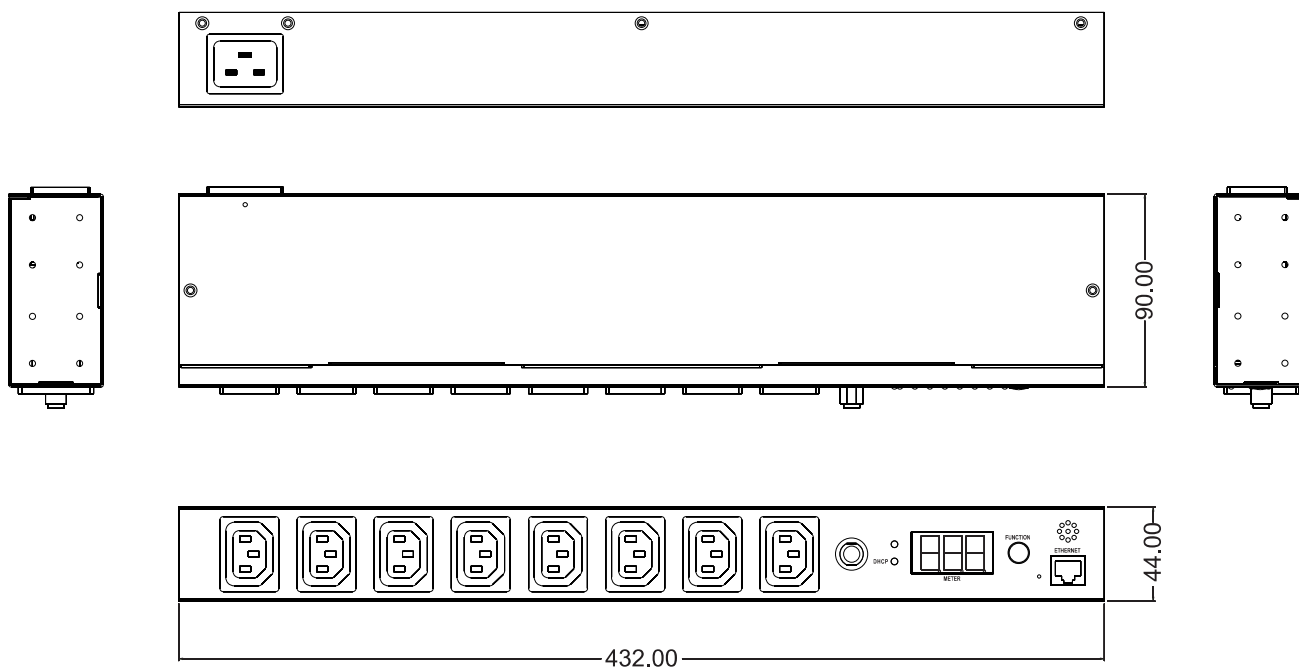
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	電源線 IEC 320 C19 至 14, 3 米

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU8M**



## Specification

### Output

Voltage	200-240 VAC
Max. Current	16 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz ,full range
Max. Capacity	3680 VA
Connection	IEC320 C20
Overload Protection	Circuit breaker (UL1077)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
---------	---------------------------

### Other

ENV Connection	None
----------------	------

### Dimension/Weight

Net size	432 x 90 x 44 mm
Net weight	1.9 kg
Package Size	505 x 210 x 90 mm
Package Weight	2.2 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

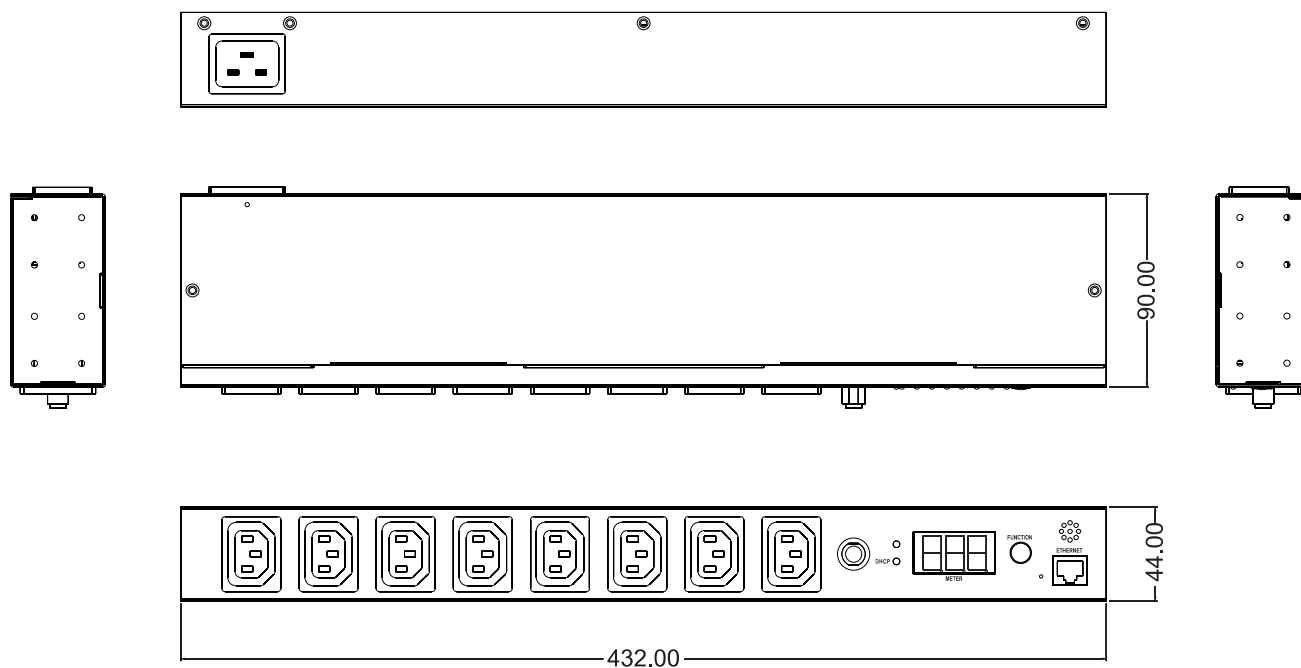
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing





## Model Number:

**RIPDU16M-32**



Plug

## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz ,full range
Outlet	(14) IEC320 C13 (2) IEC320 C19	Max. Capacity	7360 VA
		Connection	IEC309 power cord, 3 m
		Overload Protection	(2) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Net size	1245 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	3.8 kg	Operation Humid.	0% ~ 90% RH
Package Size	1360 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.8 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

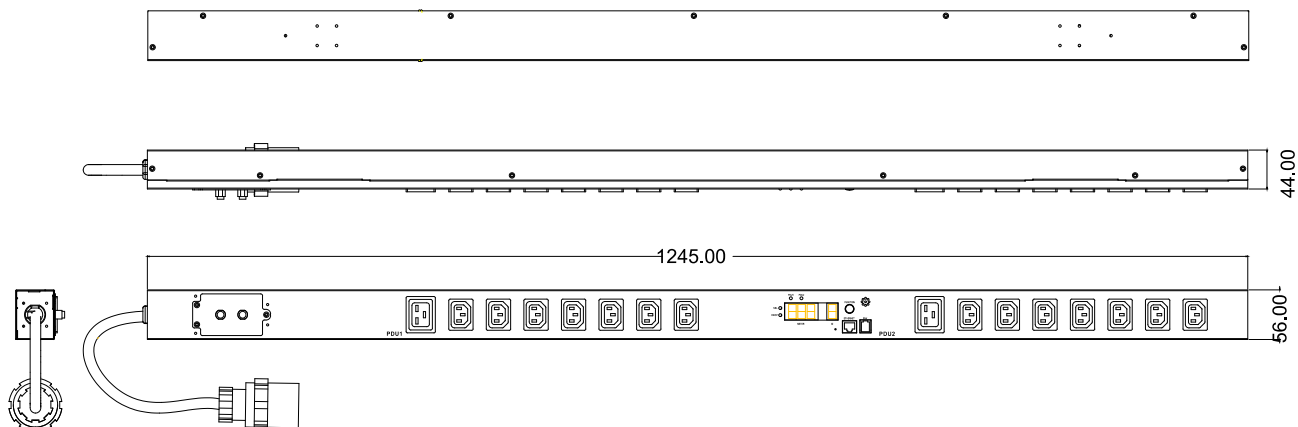
Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



STR-C20-B	C19 socket protection
-----------	-----------------------



## Line Drawing



## Model Number:

**RIPDU24M-316**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	16 A / phase	Frequency	50/60Hz ,full range
Outlet	(21) IEC320 C13 (3) IEC320 C19	Max. Capacity	11 kVA
		Connection	IEC309 power cord, 3 m
		Overload Protection	(3) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Net size	1645 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	4.8 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	6.0 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

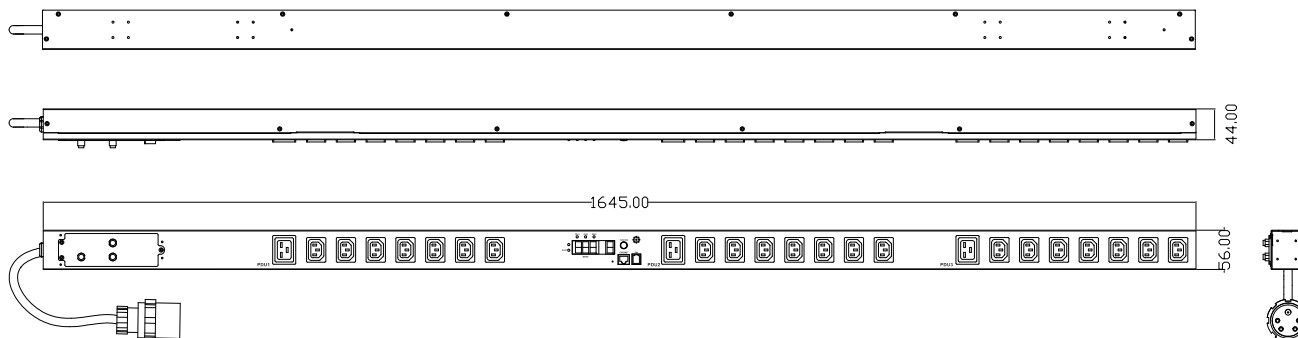
Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



STR-C20-B	C19 socket protection
-----------	-----------------------



## Line Drawing



## Model Number:

**RIPDU24M-332**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	32 A / phase	Frequency	50/60Hz ,full range
Outlet	(18) IEC320 C13 (6) IEC320 C19	Max. Capacity	22 kVA
		Connection	IEC309 power cord, 3 m
		Overload Protection	(6) 16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Net size	1645 x 56 x 80 mm	Operation Temp.	0 ~ 45°C
Net weight	7.3 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	8.5 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

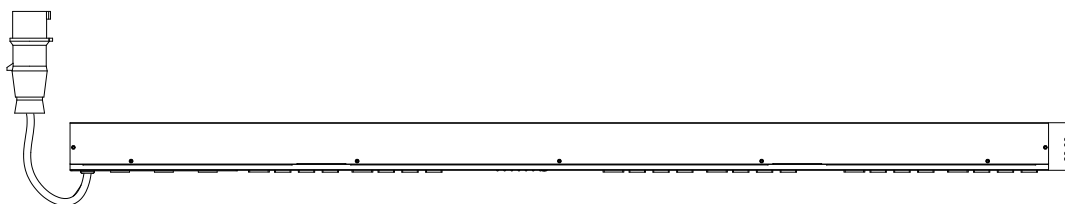
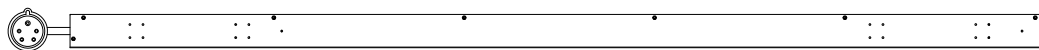
Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



STR-C20-B	C19 socket protection
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## Line Drawing





**Model Number:****RIPDU8MA**

Front view



Back view



Plug

**Specification****Output**

Voltage	200-240 VAC
Max. Current	16 A
Outlet	(8) IEC320 C13

**Input**

Voltage	200-240 VAC
Frequency	50/60Hz ,full range
Max. Capacity	3680 VA
Connection	IEC320 C20
Overload Protection	Circuit breaker (UL1077)

**Measurement**

Current	+/-2%+/-0.1A @0.2A ~ 20 A
Voltage	+/- 1% +/- 1V @80V~260V
Active Power	+/- 1% +/- 5W @50W~8000W
Apparent Power	+/- 1% @50VA~8000VA
Frequency	+/- 1% @50~65Hz
Power Factor	+/- 1% @0.1~1.0
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0

**Other**

ENV Connection	RJ11
----------------	------

**Dimension/Weight**

Net size	432 x 125 x 44 mm
Net weight	2.4 kg
Package Size	505 x 210 x 90 mm
Package Weight	2.7 kg

**Operation**

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

**Approval**

Certification	CE, FCC
Warranty	2 years

## Package

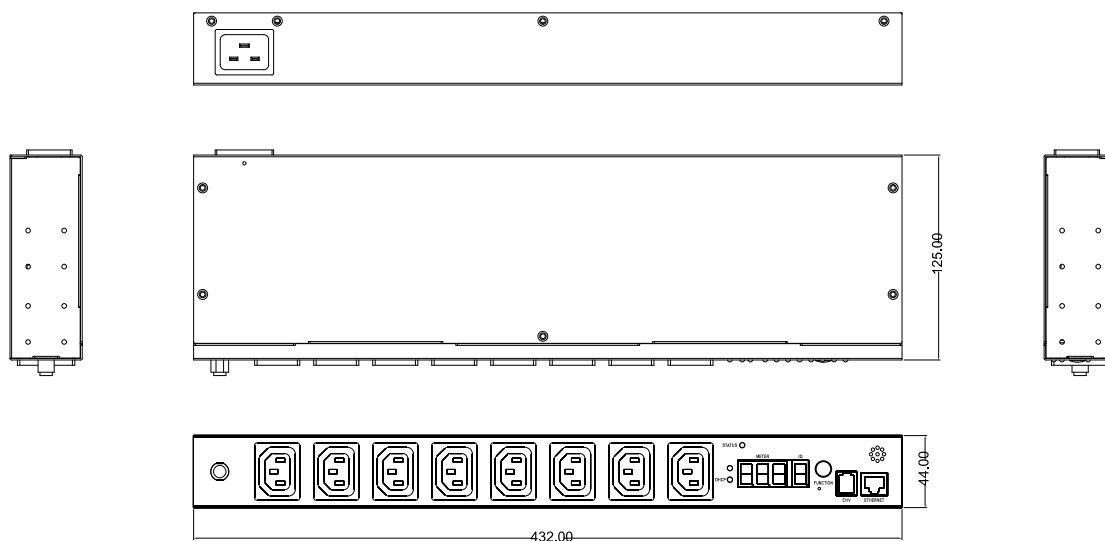
No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU1M-32**



Plug

## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz ,full range
Outlet	(1) IEC309	Max. Capacity	7360 VA
		Connection	IEC309 power cord, 3 m
		Overload Protection	None
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Net size	381 x 88 x 44 mm	Operation Temp.	0 ~ 45°C
Net weight	2.5 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 210 x 90 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	2.8 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

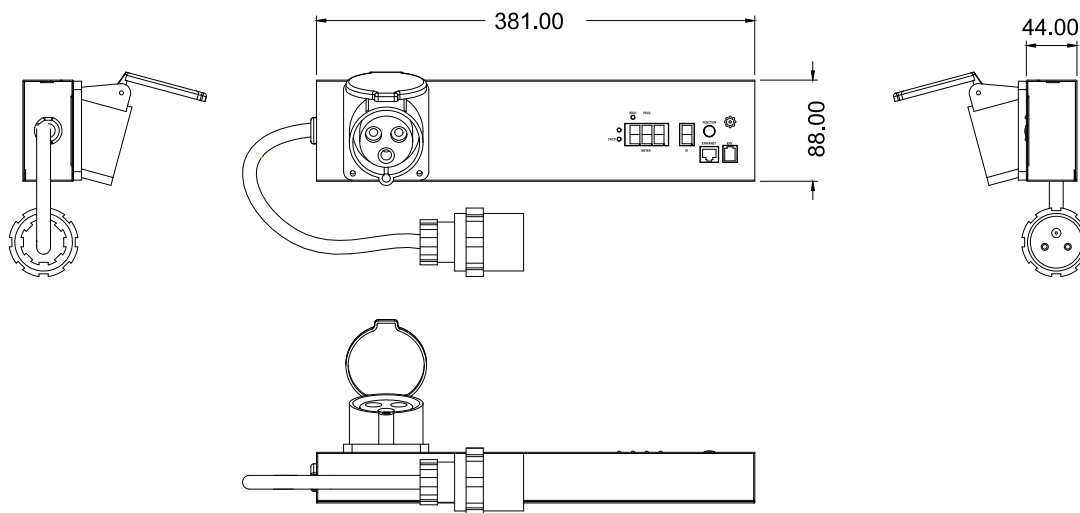
## Package

No.	Description.
1	PDU 1 set.
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)

## Line Drawing



**Model Number:**

**RIENVTH2**

**Temp./Humidity Probe**



### Specification

Hardware			
Connection	RJ11, cord 1.8m		
Temperature		Humidity	
Range	-30°C~70°C	Range	0~100%
Resolution	0.1°C	Resolution	0.1%
Precision	±1°C	Precision@ 5°C~60°C, 20%~80%	± 3%
		Precision@ other condition	±5%
		Sampling rate	1 second
Operation		Dimension/Weight	
Operation Temp.	0°C~50.0°C	Size	127 x 22 x 20 mm
Storage Temp.	-20.0°C~60.0°C	Weight	62 g
		Package Size	185 x 110 x 56 mm
		Package Weight	110 g

## Model Name:

### Switched PDU (no ENV-RIENVTH2)

Switched PDU provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

Managers can monitor the total power usage information of PDU from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Built-in embedded system:  
Support 10M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, NTP, SNMP v1.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.

### Power Management:



REMOTE  
MONITOR

#### Remote Monitor

Remote monitoring PDU status by web and SNMP



REMOTE  
CONTROL

#### Remote Control

Remote per outlet on/off by web and SNMP.



CURRENT  
MEASUREMENT

#### Current Measurement

Measure PDU total current consumption.



MAIL  
NOTIFICATION

#### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



THRESHOLD  
SENSING

#### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



EVENT  
ALERT

#### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.



POWER  
SEQUENCE

#### Power Sequence

User-definable power on/off sequence time.



OVERLOAD  
PROTECTION

#### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.

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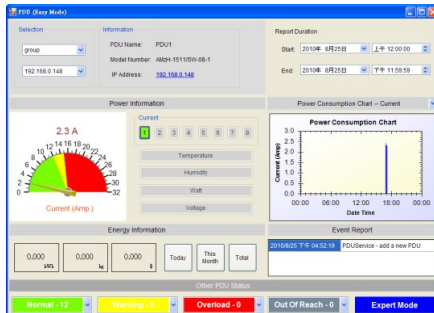


## Central Management

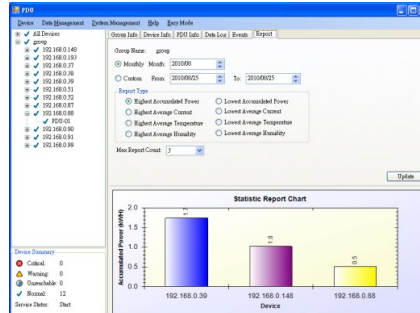
Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Central Management Software

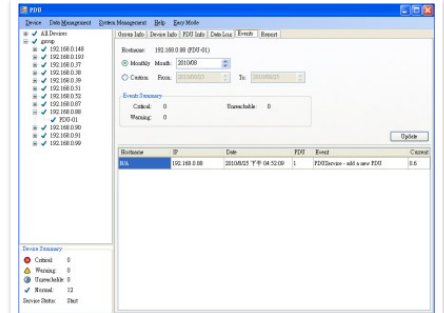
*PC based software, run under Win OS, for central management of large amount of PDU Intelligent Power*



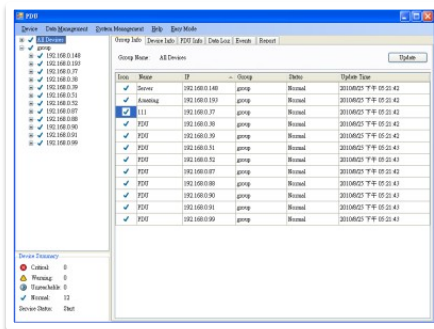
Graphic Monitoring Interface



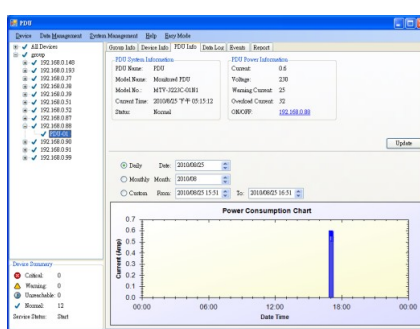
PDU Summary Report



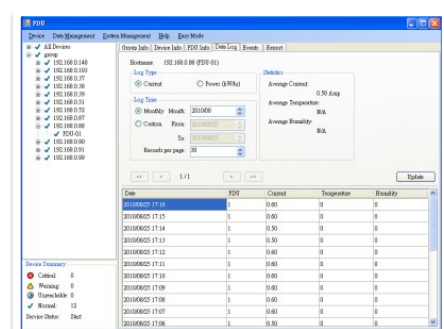
PDU Event Log



All PDU Status Information



PDU Status Information



PDU Data Log

## Features:

- Monitor a large amount of PDU power consumption simultaneously.
- Group Management of a large amount of the PDU.
- Provide power consumption chart for daily monthly or the user-defined period report.
- Send the email and trap to the specific account when the power event occurs.
- Forward the trap to the user-defined account.
- Events can be logged and exported to the Syslog server.

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## Model List

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIPDU8P10</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C14, 3m	230V	10 Amp
<a href="#">RIPDU2P</a>	(2) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU8P</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU16P</a>	(14) IEC 320 C13 (2) IEC 320 C19	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU24P</a>	(21) IEC 320 C13 (3) IEC 320 C19	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp

## Model Number:

**RIPDU8P10**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	10 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	2300 VA
		Connection	IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	None
Dimension/Weight		Operation	
Size	432 x 90 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	2 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 210 x 90 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	2.3 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

## Package

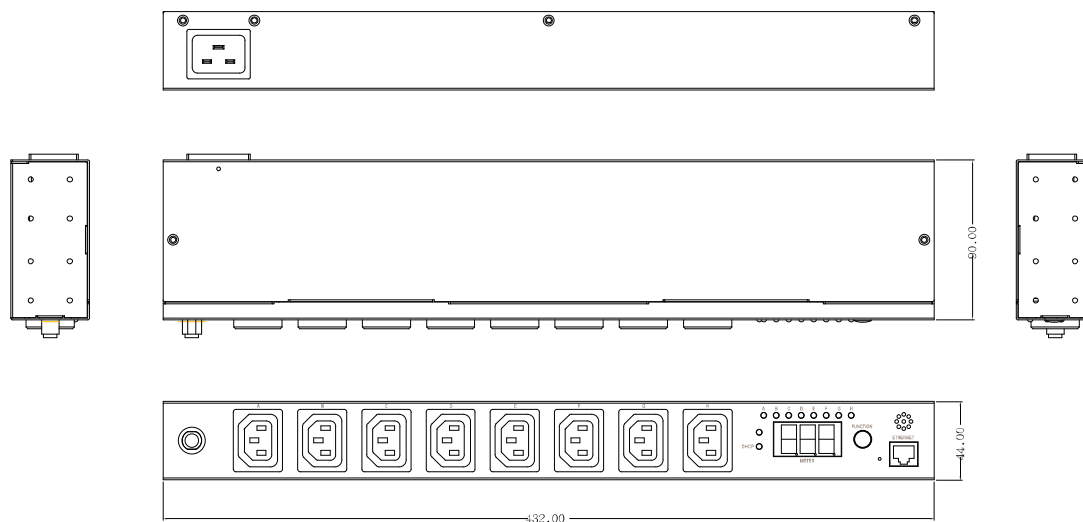
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C14, power cord, 3m

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU2P**



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(2) IEC320 C13	Max. Capacity	3680 VA
		Connection	IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	None
Dimension/Weight		Operation	
Size	254 x 90 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	1.7 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 140 x 90 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	1.9 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

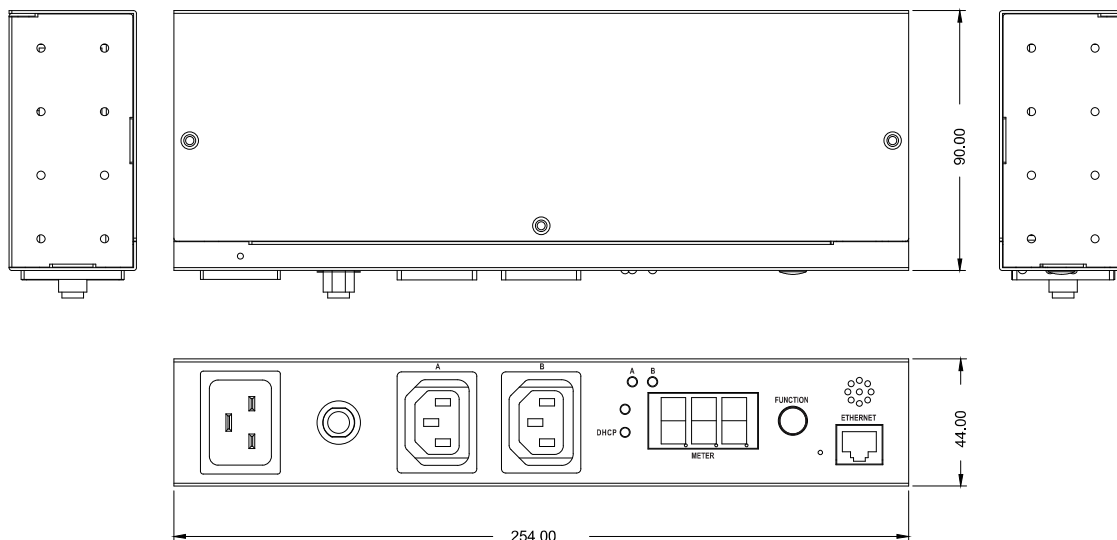
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing





## Model Number:

**RIPDU8P**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	3680 VA
		Connection	IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	None
Dimension/Weight		Operation	
Size	432 x 90 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	2.2 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 210 x 90 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	2.5 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

## Package

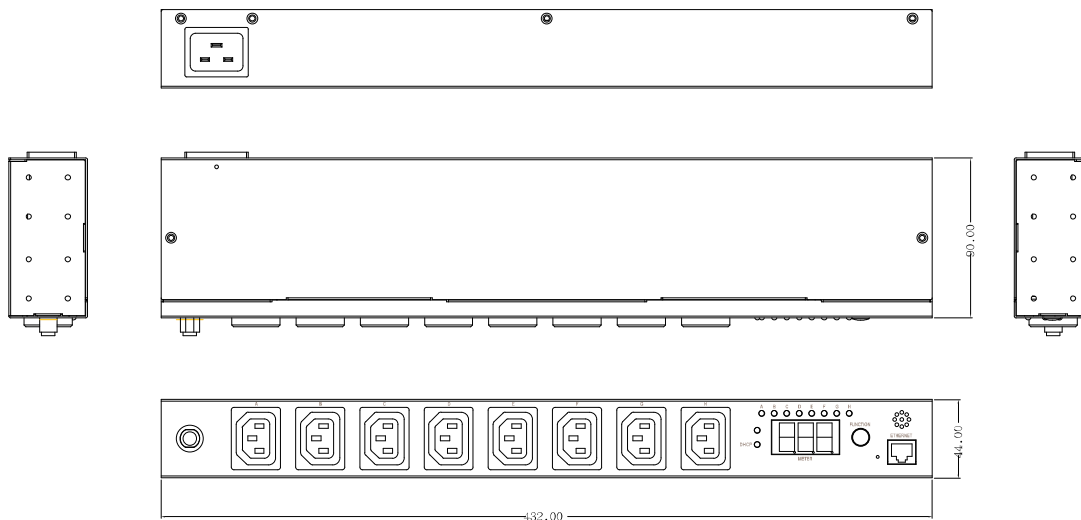
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU16P**



Plug





## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(14) IEC320 C13 (2) IEC320 C19	Max. Capacity	3680 VA
		Connection	IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	None
Dimension/Weight		Operation	
Size	1245 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	3.7 kg	Operation Humid.	0% ~ 90% RH
Package Size	1360 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.7 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

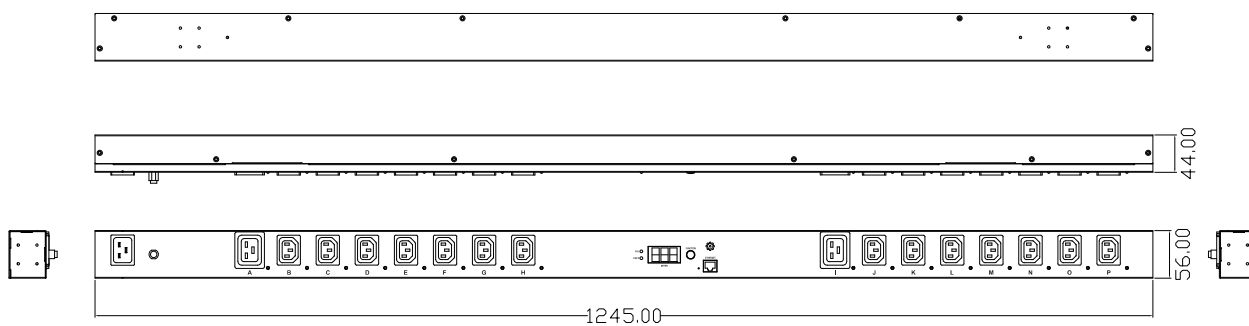
## Package

No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

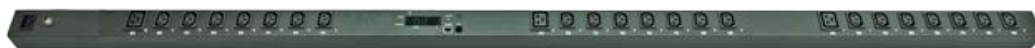
Model Number	Model Name
STR-C14-B	C13 socket protection
	
STR-C20-B	C19 socket protection
	

## Line Drawing



## Model Number:

**RIPDU24P**



Plug





## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(21) IEC320 C13 (3) IEC320 C19	Max. Capacity	3680 VA
		Connection	IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	None
Dimension/Weight		Operation	
Size	1778 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	5.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	6.0 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection
	
STR-C20-B	C19 socket protection
	

## Line Drawing



## Model Name:

### Switched PDU

Switched PDU provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

Managers can monitor the total power usage information of PDU from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

Switched PDU has one environmental sensor ports that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDU's power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Built-in embedded system:  
Support 10M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, NTP, SNMP v1.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.

### Power Management:



REMOTE  
MONITOR

#### Remote Monitor

Remote monitoring PDU status by web and SNMP



REMOTE  
CONTROL

#### Remote Control

Remote per outlet on/off by web and SNMP.



CURRENT  
MEASUREMENT

#### Current Measurement

Measure PDU total current consumption.



MAIL  
NOTIFICATION

#### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



THRESHOLD  
SENSING

#### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



EVENT  
ALERT

#### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.





### Power Sequence

User-definable power on/off sequence time.



### Ping Event Control

When the specified IT device does not respond to PING, the output will perform a preset power action.



### Group Control

Set multiple outlets as a single group while controlling the power output.



### Environment Detection

Optional accessory probe to detect temperature and humidity.



### Schedule Control

Timed & scheduled on/off/reboot control.



### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.



### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement. (available by model)



### Central Management

Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

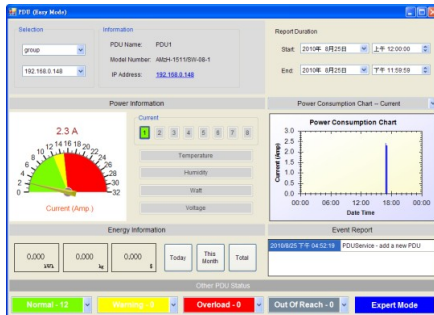


## Central Management

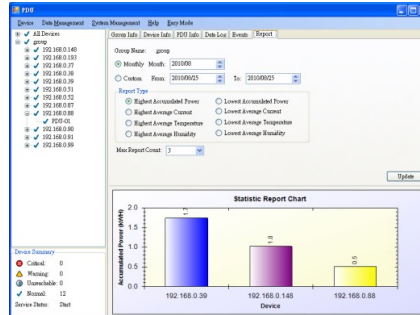
Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Central Management Software

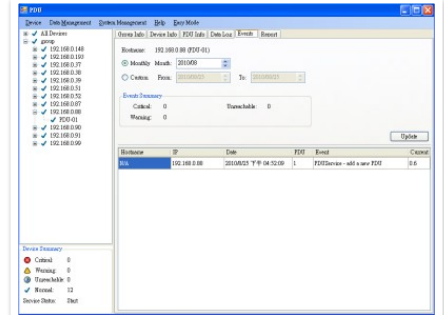
*PC based software, run under Win OS, for central management of large amount of PDU Intelligent Power*



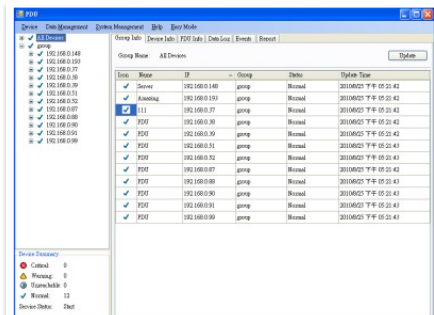
Graphic Monitoring Interface



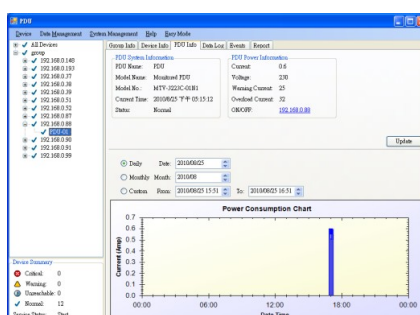
PDU Summary Report



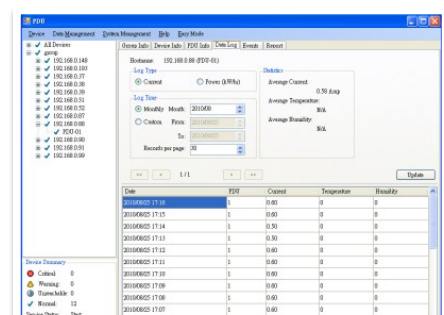
PDU Event Log



All PDU Status Information



PDU Status Information



PDU Data Log

## Features:

- Monitor a large amount of PDU power consumption simultaneously.
- Group Management of a large amount of the PDU.
- Provide power consumption chart for daily monthly or the user-defined period report.
- Send the email and trap to the specific account when the power event occurs.
- Forward the trap to the user-defined account.
- Events can be logged and exported to the Syslog server.

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## Model List

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIPDU8P-KWh</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU816P-32</a>	(14) IEC 320 C13 (2) IEC 320 C19	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU24P-32</a>	(21) IEC 320 C13 (3) IEC 320 C19	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU24P-316</a>	(21) IEC 320 C13 (3) IEC 320 C19	IEC309, power cord, 3m	400V AC, 3- Phase 3P+N+G / 230V	16 Amp / phase
<a href="#">RIPDU24P-332</a>	(14) IEC 320 C13 (2) IEC 320 C19	IEC309, power cord, 3m	400V AC, 3- Phase 3P+N+G / 230V	32 Amp phase
<a href="#">RIPDU8PA</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp

## Model Number:

**RIPDU8P-KWh**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	16 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	3680 VA
Connection	IEC320 C20
Overload Protection	Circuit breaker (UL1077)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
Voltage	+/- 1% +/- 1V @80V~260V
Active Power	+/- 1% +/- 5W @50W~8000W
Apparent Power	+/- 1% @50VA~8000VA
Frequency	+/- 1% @50~65Hz
Power Factor	+/- 1% @0.1~1.0
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0

### Other

ENV Connection	RJ11
----------------	------

### Dimension/Weight

Size	432 x 125 x 44 mm
Weight	2.5 kg
Package Size	505 x 210 x 90 mm
Package Weight	2.8 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

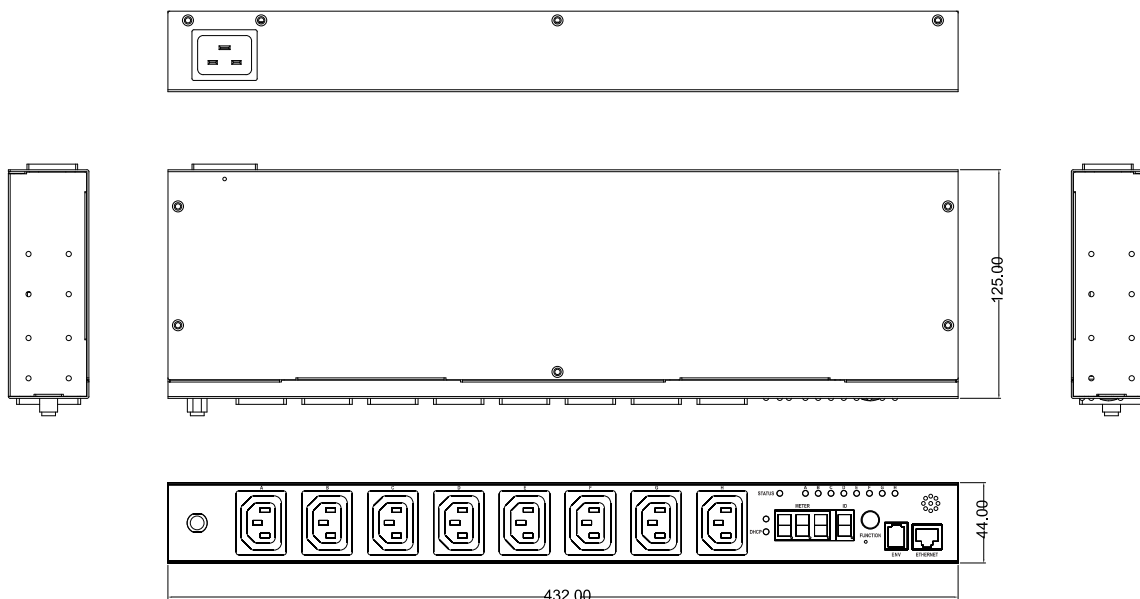
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
CPM-ENV-2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU16P-32**



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(14) IEC320 C13 (2) IEC320 C19	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3 m
		Overload Protection	(2) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Size	1245 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	4.2 kg	Operation Humid.	0% ~ 90% RH
Package Size	1360 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	5.2 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

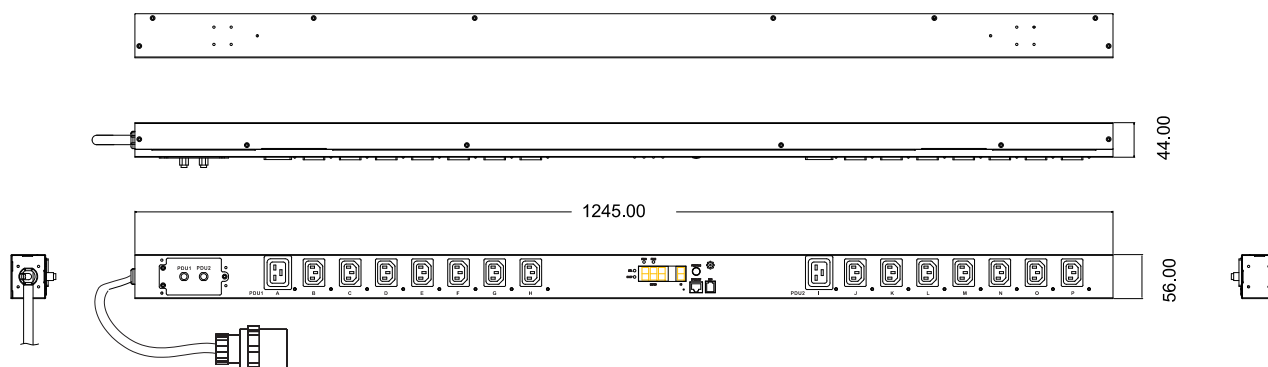
Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



STR-C20-B	C19 socket protection
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## Line Drawing





## Model Number:

**RIPDU24P-32**



Plug

## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(21) IEC320 C13 (3) IEC320 C19	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3 m
		Overload Protection	(3) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Size	1778 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	6 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	7.2 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

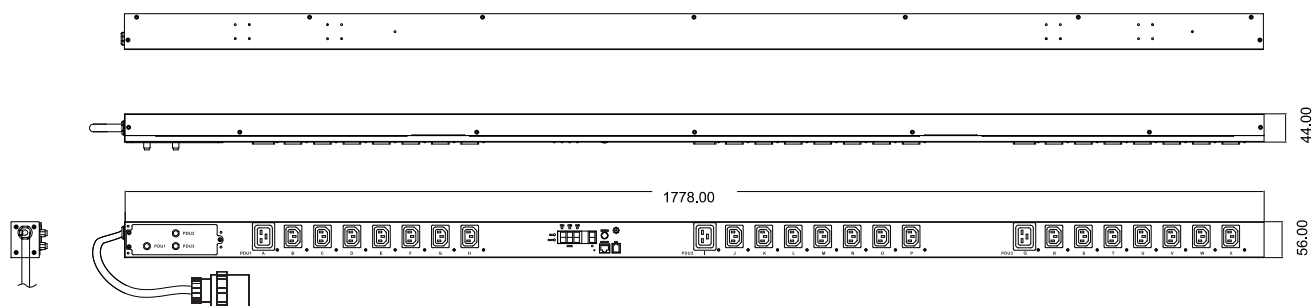
Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



STR-C20-B	C19 socket protection
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## Line Drawing



## Model Number:

**RIPDU24P-316**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	16 A / phase	Frequency	50/60Hz, full range
Outlet	(21) IEC320 C13 (3) IEC320 C19	Max. Capacity	11 kVA
		Connection	IEC309, power cord, 3 m
		Overload Protection	(3) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Size	1778 x 56 x 44 mm	Operation Temp.	0 ~ 45°C
Weight	5.7 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	6.9 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

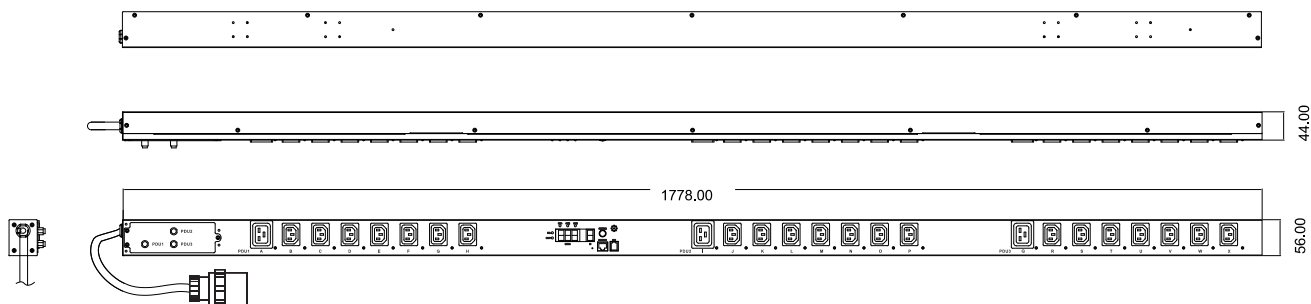
Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



STR-C20-B	C19 socket protection
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## Line Drawing



## Model Number:

**RIPDU24P-332**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	32 A / phase	Frequency	50/60Hz, full range
Outlet	(18) IEC320 C13 (6) IEC320 C19	Max. Capacity	22 kVA
		Connection	IEC309, power cord, 3 m
		Overload Protection	(6) 16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Size	1645 x 56 x 80 mm	Operation Temp.	0 ~ 45°C
Weight	8.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	9.2 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

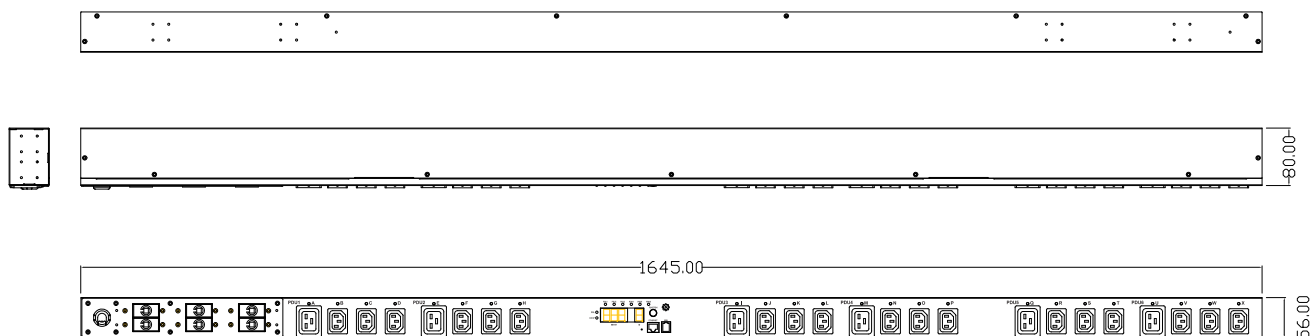
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection
STR-C20-B	C19 socket protection



## Line Drawing



## Model Name:

### Switched PDU Advanced

Switched PDU Advanced provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

Managers can monitor the total power usage information of PDU from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

The PDU has two environmental sensor ports that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Embedded system:  
Support 10/100M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, HTTPS, FTP, NTP, SNMP v1 / 2/3, TLS1.2, IPv4 and IPv6, Telnet, SSHv2
- ✦ Management Account Certification:  
Radius certification support.
- ✦ Multi-account management:  
Multi-group account management system. And provide three-tier permission management.
- ✦ IP filtering:  
Support IP filtering, improve network security mechanisms.
- ✦ Power record:  
Store up to 5000 power and event data.
- ✦ Remote firmware upgrade:  
Provides remote firmware upgrade mechanism.
- ✦ System operation message:  
Send the normal operation of the message automatically by trap.
- ✦ Hardware key definition:  
User-definable button function.
- ✦ Temperature unit conversion:  
Temperature units can choose Celsius or Fahrenheit
- ✦ System configuration restore:  
Support the output of the system settings, to easily deploy a large amount of the same model of PDU.
- ✦ Multilingual Support:  
Support Chinese, English, French, German, Spanish, Russian, Czech, Arabian, Persian.

### Power Management:

Riferimenti Commerciali Email: [info@rose-electronics.it](mailto:info@rose-electronics.it) - WEB: [www.rose-electronics.it](http://www.rose-electronics.it)

Via Monza, 16 Cernusco Lombardone 23870 (LC) Tel. Ufficio/Fax: 0039 039 291 2526 Cell.+39 329 1768522



## Power Management:



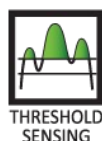
### Remote Monitor

Remote monitoring PDU status by web and SNMP



### Current Measurement

Measure PDU total current consumption.



### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



### Power Sequence

User-definable power on/off sequence time.



### Ping Event Control

When the specified IT device does not respond to PING, the output will perform a preset power action.



### Group Control

Set multiple outlets as a single group while controlling the power output.



### Event Reaction

Outlet action via pre-set event, including power, environment event and receiving trap from other device.



### Environment Detection

Optional accessory probe to detect temperature and humidity.



### Remote Control

Remote per outlet on/off by web and SNMP.



### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.



### Schedule Control

Timed & scheduled on/off/reboot control.



### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.



### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement. (available by model)



### Central Management

Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Model Number:

**RIPDU8PA**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	16 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	3680 VA
Connection	IEC320 C20
Overload Protection	Circuit breaker (UL1077)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
---------	---------------------------

### Other

ENV Connection	(2) RJ11
----------------	----------

### Dimension/Weight

Net Size	432 x 216 x 44.5 mm
Net Weight	3.5 kg
Package Size	490 x 330 x 155 mm
Package Weight	4.1 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

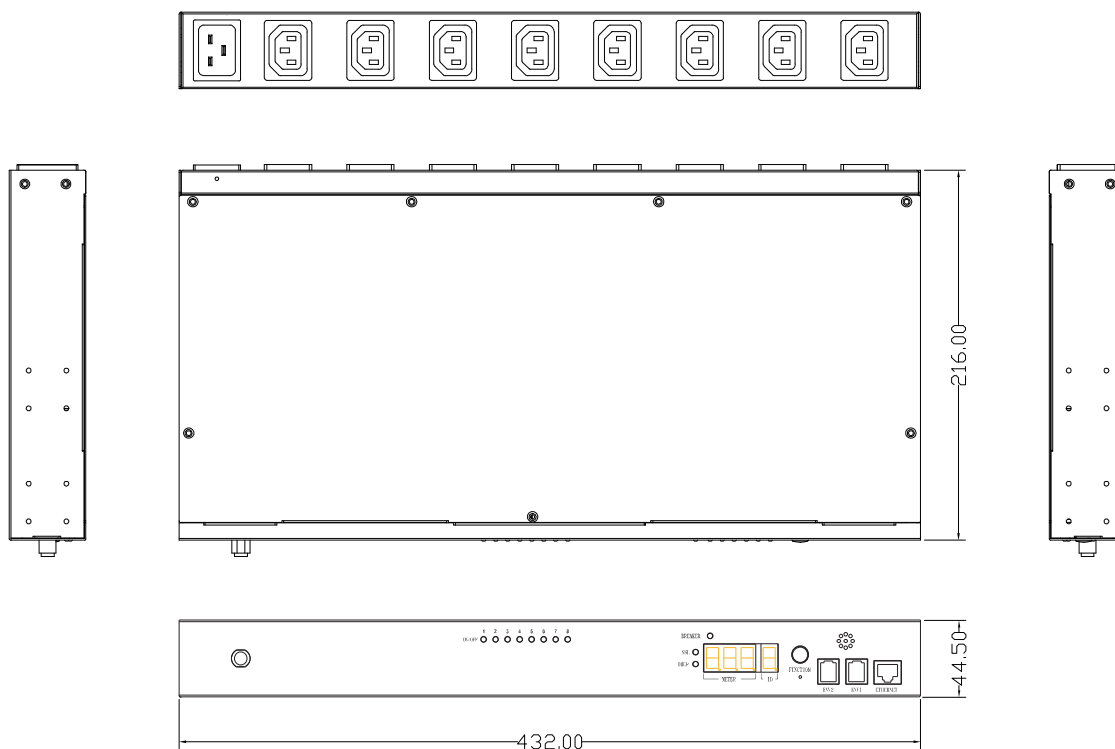
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	Power cord, C19 to C20, 3 m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe
STR-C14-B	C13 socket protection



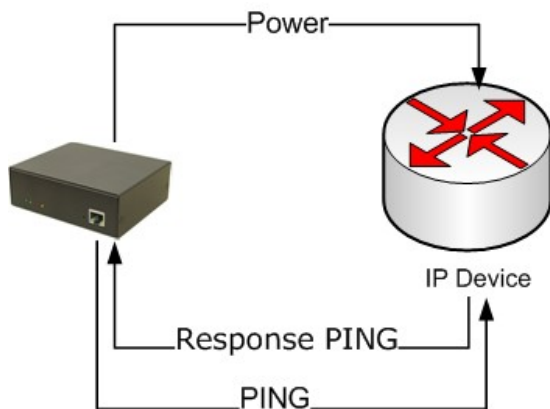
## Line Drawing



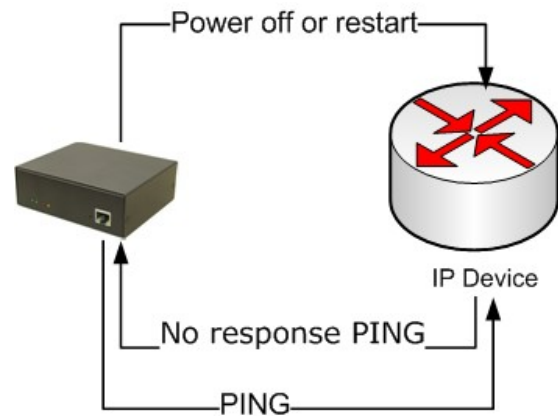
## Annex. 1

### Ping Function

**The device responds PING normally**



**The device is not responding PING properly**



**Model Number:****RIENVTH2****Temp./Humidity Probe****Specification**

Hardware			
Connection	RJ11, cord 1.8m		
Temperature		Humidity	
Range	-30°C~70°C	Range	0~100%
Resolution	0.1°C	Resolution	0.1%
Precision	±1°C	Precision@ 5°C~60°C, 20%~80%	± 3%
		Precision@ other condition	±5%
		Sampling rate	1 second
Operation		Dimension/Weight	
Operation Temp.	0°C~50.0°C	Size	127 x 22 x 20 mm
Storage Temp.	-20.0°C~60.0°C	Weight	62 g
		Package Size	185 x 110 x 56 mm
		Package Weight	110 g

## Model Name:

### Basic Automatic Transfer Switch (STS)

STS is a single phase and dual input rack mountable power distribution unit (PDU). When Input A falls below 168 VAC and Input B is valid, the output is automatically transferred to Input B. The output is transferred back to Input A when Input A is valid and rises above 178 VAC. This high speed transfer rate ensures that the transfer is transparent to the sensitive equipment. The two sources are not required to be in phase. This is an effective solution that builds in redundancy and increases the AC power availability of connected equipment. If the dual input power is fed through two independent AC sources, then the system availability is increased and the dual input advantages are fully used.

## Features

### Power Management:



#### Power Redundant Protection

Dual power input. When the main power fails, it will automatically switch to standby power in an instant.

## Model List Basic:

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIATS10B</a>	(10) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIATS10B-32</a>	(10) IEC 320 C13	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIATS1B-32</a>	(1) IEC309	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIATS2T-32</a>	(1) Terminal Block	Terminal Block	230V	32 Amp

## Model List ATS Monitored:

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIATS10M</a>	(10) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIATS10M-32</a>	(10) IEC 320 C13	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIATS1M-32</a>	(1) IEC309	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIATS2TM-32</a>	(1) Terminal Block	Terminal Block	230V	32 Amp

## Model List ATS Advanced:

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIATS8F</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIATS8F-32</a>	(8) IEC 320 C13	IEC309, power cord, 3m	230V	32 Amp

## Model Number:

**RIATS10B**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16A	Frequency	50/60Hz, full range
Outlet	(10) IEC320 C13	Max. Capacity	3680VA
		Connection	(2) IEC320 C20
		Overload Protection	None
Measurement		Other	
None		Transfer Time	8~16ms
Dimension/Weight		Operation	
Net Size	432 x 260 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	4.9 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	5.5 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		



## Package

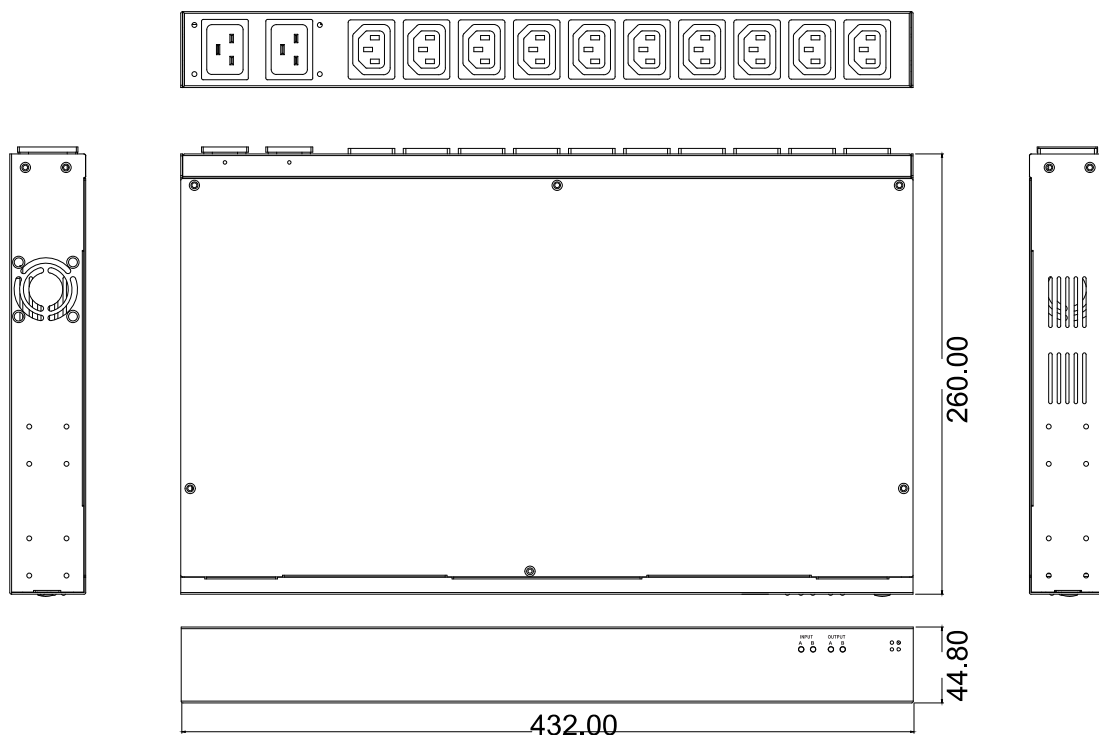
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	電源線 (2) IEC 320 C19 至 C20, 3 米

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIATS10B-32**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(10) IEC320 C13	Max. Capacity	7360 VA
		Connection	(2) IEC309, power cord, 3m
		Overload Protection	(2) 16A circuit breaker (UL489)
Measurement		Other	
None		Transfer Time	8~16ms
Dimension/Weight		Operation	
Net Size	432 x 260 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	6.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 390 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	6.7 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

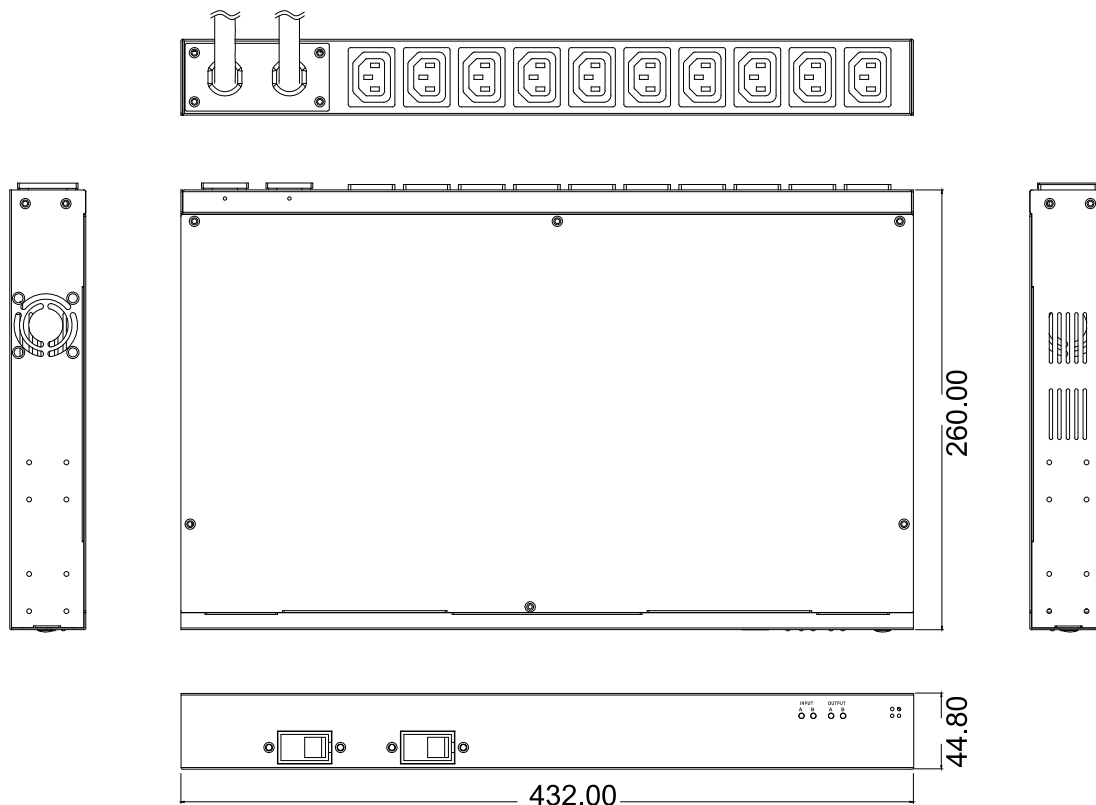
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIATS1B-32**



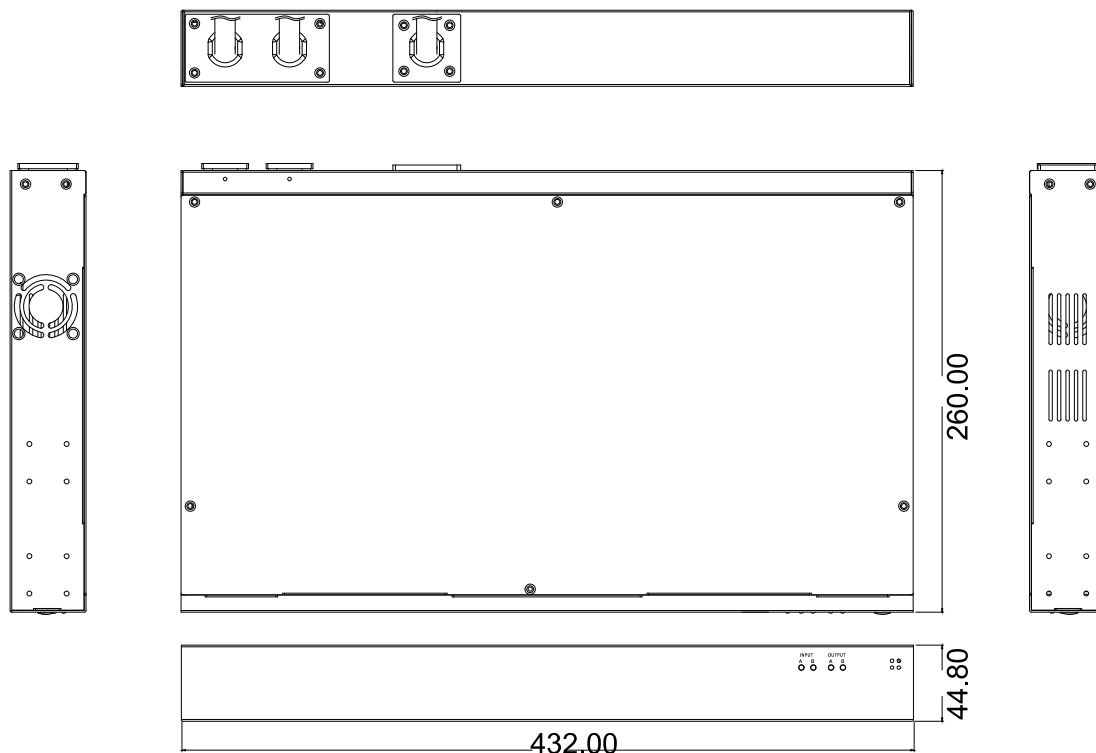
## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(1) IEC309	Max. Capacity	7360 VA
		Connection	(2) IEC309, power cord, 3m
		Overload Protection	None
Measurement		Other	
None		Transfer Time	8~16ms
Dimension/Weight		Operation	
Net Size	432 x 260 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	6.1 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 390 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	6.8 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Line Drawing



## Model Number:

**RIATS2T-32**

Front view



Back view



## Specification

### Output

Voltage	200-240 VAC
Max. Current	32 A
Outlet	(1) Terminal block

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	7360 VA
Connection	(2) Terminal block
Overload Protection	None

### Measurement

None

### Other

Transfer Time	8~16ms
---------------	--------

### Dimension/Weight

Net Size	432 x 260 x 44.8 mm
Net Weight	4.2 kg
Package Size	490 x 330 x 155 mm
Package Weight	4.8 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

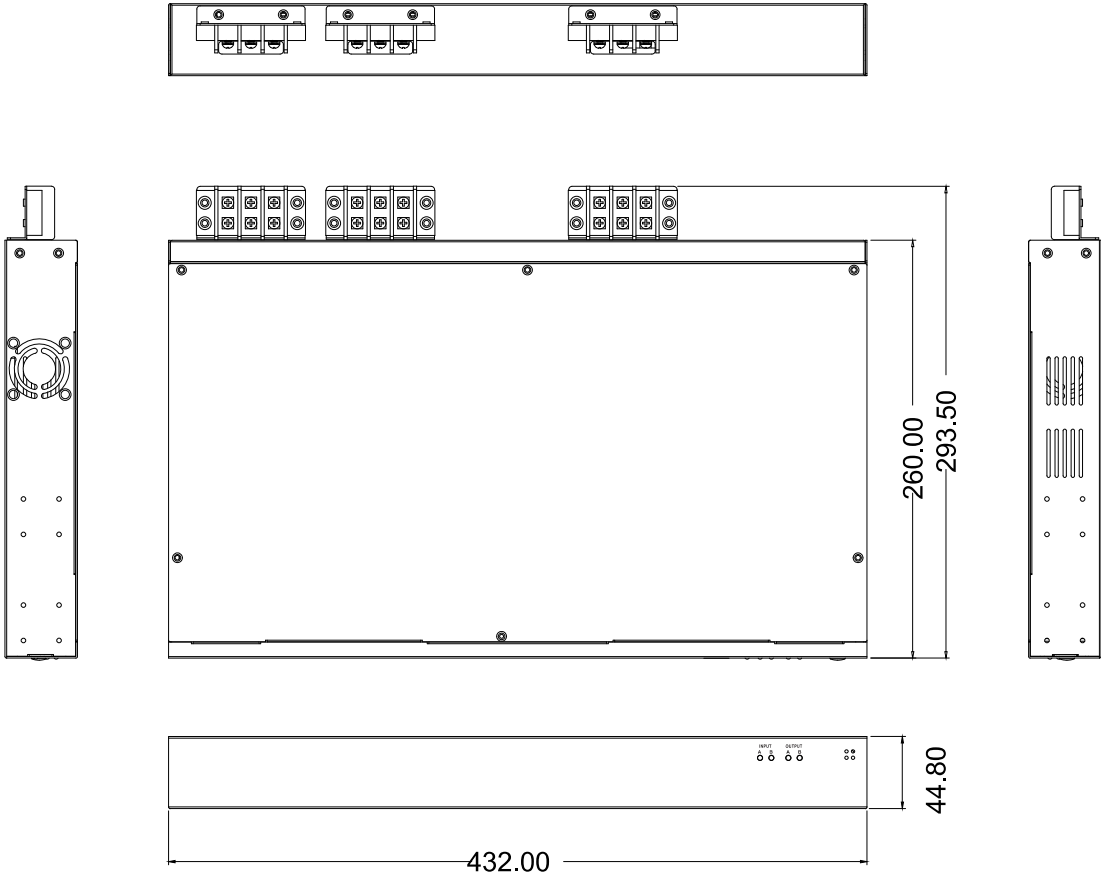
### Approval

Certification	CE, FCC
Warranty	2 years

# Package

No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

# Line Drawing



## Model Name

### Monitored Automatic Transfer Switch (ATS)

ATS is a single phase and dual input rack mountable power distribution unit (PDU). When Input A falls below 168 VAC and Input B is valid, the output is automatically transferred to Input B. The output is transferred back to Input A when Input A is valid and rises above 178 VAC. This high speed transfer rate ensures that the transfer is transparent to the sensitive equipment. The two sources are not required to be in phase. This is an effective solution that builds in redundancy and increases the AC power availability of connected equipment. If the dual input power is fed through two independent AC sources, then the system availability is increased and the dual input advantages are fully used.

Managers can monitor the total power usage information of ATS from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

ATS has one environmental sensor port that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Built-in embedded system:  
Support 10M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, NTP, SNMP v1.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.

### Power Management:



#### Remote Monitor

Remote monitoring PDU status by web and SNMP



#### Power Redundant Protection

Dual power input. When the main power fails, it will automatically switch to standby power in an instant.



#### Current Measurement

Measure PDU total current consumption.



#### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



#### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



#### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.

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### Environment Detection

Optional accessory probe to detect temperature and humidity.



### Central Management

Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.



### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement.

## Model Number:

**RIATS10M**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(10) IEC320 C13	Max. Capacity	3680 VA
		Connection	(2) IEC320 C20
		Overload Protection	None
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Voltage	+/- 1% +/- 1V @80V~260V	Transfer Time	8~16ms
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	432 x 260 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	5.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	5.6 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

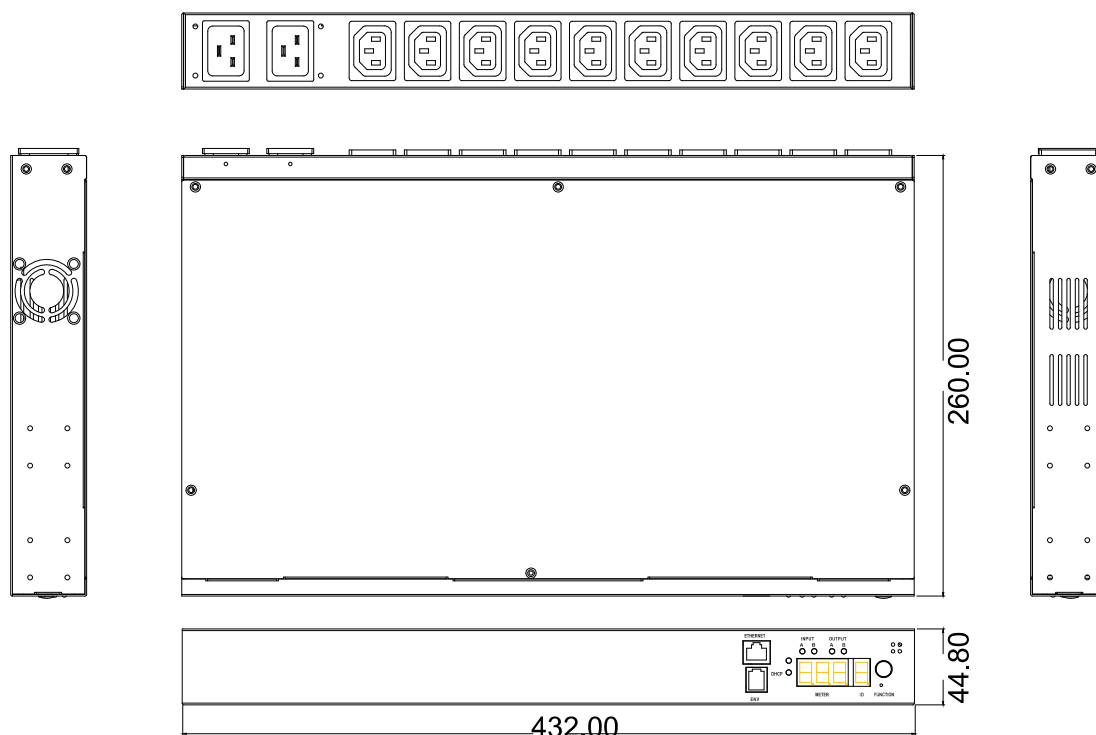
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	(2) C19 to C20, power cord, 3 m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIATS10M-32**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	32 A
Outlet	(10) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	7360 VA
Connection	(2) IEC309, power cord, 3 m
Overload Protection	(2) 16A circuit breaker (UL489)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
Voltage	+/- 1% +/- 1V @80V~260V
Active Power	+/- 1% +/- 5W @50W~8000W
Apparent Power	+/- 1% @50VA~8000VA
Frequency	+/- 1% @50~65Hz
Power Factor	+/- 1% @0.1~1.0
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0

### Other

ENV Connection	RJ11
Transfer Time	8~16ms

### Dimension/Weight

Net Size	432 x 260 x 44.8 mm
Net Weight	6.1 kg
Package Size	490 x 390 x 155 mm
Package Weight	6.8 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

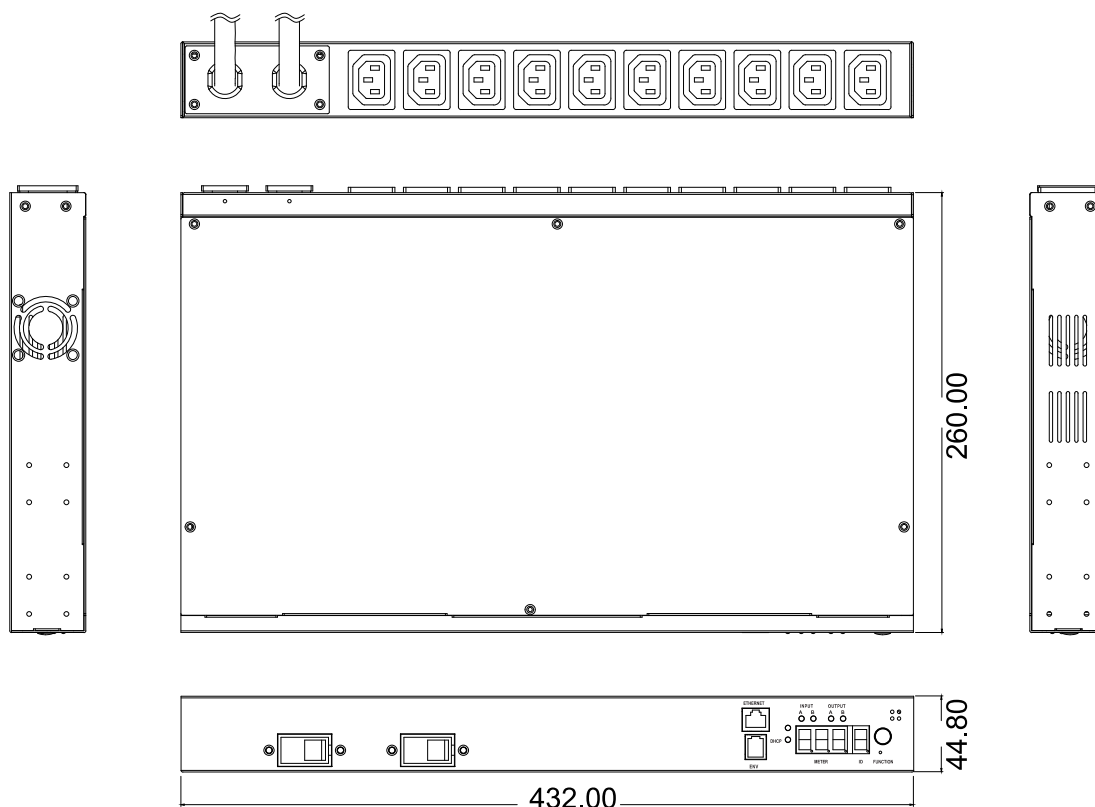
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIATS1M-32**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(1) IEC309	Max. Capacity	7360 VA
		Connection	(2) IEC309, power cord, 3 m
		Overload Protection	None
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Voltage	+/- 1% +/- 1V @80V~260V	Transfer Time	8~16ms
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	432 x 260 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	6.3 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 390 x 155 mm	Storage Temp.	-20°C ~ 65°C

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## Approval

Certification	CE, FCC
Warranty	2 years

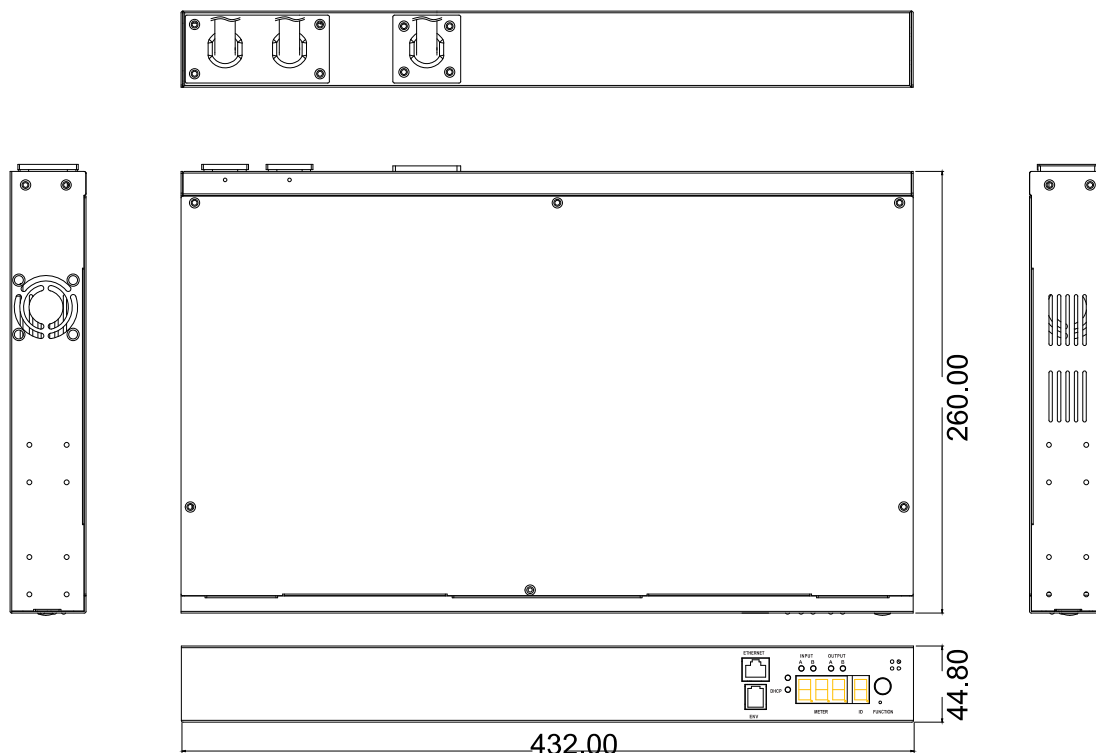
## Package

No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe

## Line Drawing



## Model Number:

**RIATS2TM-32**

Front view



Back view



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(1) Terminal Block	Max. Capacity	7360 VA
		Connection	(2) Terminal Block
		Overload Protection	None
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Voltage	+/- 1% +/- 1V @80V~260V	Transfer Time	8~16ms
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	432 x 260 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	4.2 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.8 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

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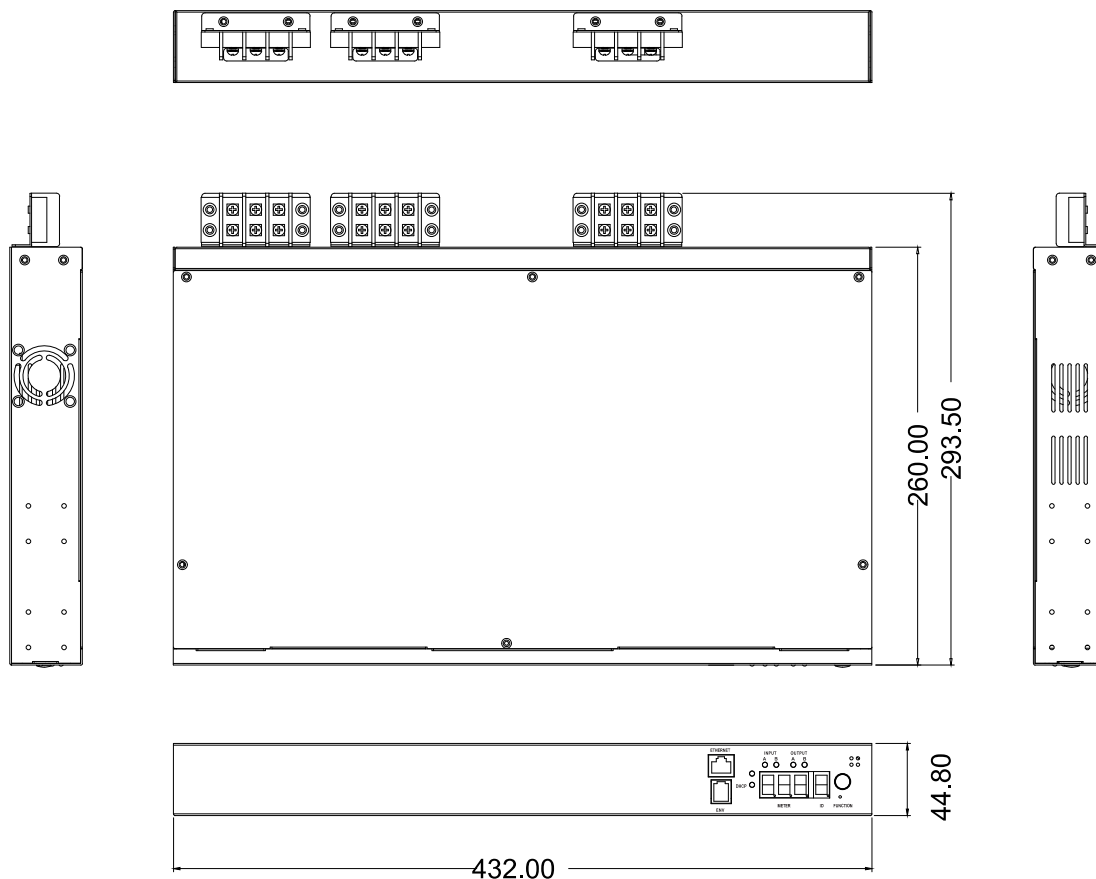
## Package

No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe

## Line Drawing



## Model Name:

# Managed ATS (Automatic Transfer Switch)

Managed ATS is a single phase and dual input rack mountable power distribution unit (PDU). When Input A falls below 168 VAC and Input B is valid, the output is automatically transferred to Input B. The output is transferred back to Input A when Input A is valid and rises above 178 VAC. This high speed transfer rate ensures that the transfer is transparent to the sensitive equipment. The two sources are not required to be in phase. This is an effective solution that builds in redundancy and increases the AC power availability of connected equipment. If the dual input power is fed through two independent AC sources, then the system availability is increased and the dual input advantages are fully used.

Cloud ATS provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

Managers can monitor the power usage information of each output port from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

Cloud ATS has two environmental sensor ports that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Built-in embedded system:  
Support 10/100M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, HTTPS, FTP, NTP, SNMP v1 / 2/3, TLS1.2, IPv4 and IPv6, Telnet, SSHv2
- ✦ Management Account Certification:  
Radius certification support.
- ✦ Multi-account management:  
Multi-group account management system. And provide three-tier permission management.
- ✦ IP filtering:  
Support IP filtering, improve security mechanisms.
- ✦ Remote firmware upgrade:  
Provides remote firmware upgrade mechanism.
- ✦ System operation message:  
Send the normal operation of the message automatically by trap.
- ✦ Hardware key definition:  
User-definable reset key function.
- ✦ Temperature unit conversion:  
Temperature units can choose Celsius or Fahrenheit
- ✦ System configuration restore:  
Support the output of the system settings, to easily deploy a large amount of the same model of PDU.
- ✦ Multilingual Support:  
Support Chinese, English, French, German, Spanish, Russian, Czech, Arabian, Persian.

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Store up to 5000 power and event data.

## Power Management:



### Remote Monitor

Remote monitoring PDU status by web and SNMP



### Current Measurement

Measure PDU total current consumption.



### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



### Power Sequence

User-definable power on/off sequence time.



### Ping Event Control

When the specified IT device does not respond to PING, the output will perform a preset power action.



### Group Control

Set multiple outlets as a single group while controlling the power output.



### Event Reaction

Outlet action via pre-set event, including power, environment event and receiving trap from other device.



### Environment Detection

Optional accessory probe to detect temperature and humidity.



### Central Management

Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.



### Power Redundant Protection

Dual power input. When the main power fails, it will automatically switch to standby power in an instant.



### Remote Control

Remote per outlet on/off by web and SNMP.



### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.



### Schedule Control

Timed & scheduled on/off/reboot control.



### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.



### Outlet-Level Monitor

Remote per outlet current monitoring.



### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement.

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## Model Number:

**RIATS8F**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	16 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	3680 VA
Connection	(2) IEC320 C20
Overload Protection	None

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
Voltage	+/- 1% +/- 1V @80V~260V
Active Power	+/- 1% +/- 5W @50W~8000W
Apparent Power	+/- 1% @50VA~8000VA
Frequency	+/- 1% @50~65Hz
Power Factor	+/- 1% @0.1~1.0
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0

### Other

ENV Connection	(2) RJ11
Transfer Time	8~16ms

### Dimension/Weight

Net Size	432 x 458 x 44.45 mm
Net Weight	8.0 kg
Package Size	620 x 535 x 160 mm
Package Weight	9.2 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

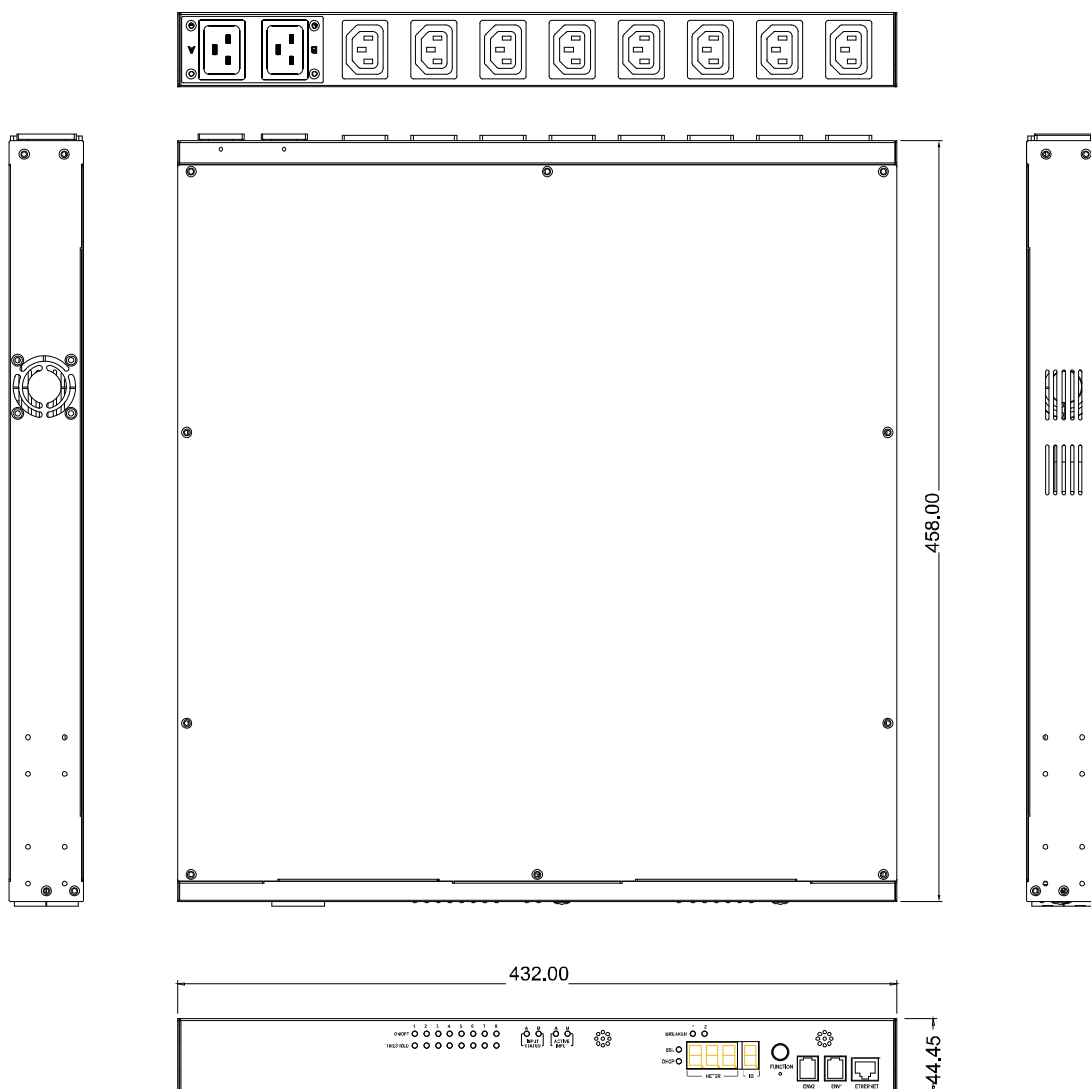
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	(2) C19 to C20, power cord, 3 m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe
STR-C14-B	C13 socket protection



## Line Drawing



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## Model Number:

**RIATS8F-32**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	32 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	7360 VA
Connection	(2) IEC309, power cord, 3m
Overload Protection	(2) 16A circuit breaker (UL489)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
Voltage	+/- 1% +/- 1V @80V~260V
Active Power	+/- 1% +/- 5W @50W~8000W
Apparent Power	+/- 1% @50VA~8000VA
Frequency	+/- 1% @50~65Hz
Power Factor	+/- 1% @0.1~1.0
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0

### Other

ENV Connection	(2) RJ11
Transfer Time	8~16ms

### Dimension/Weight

Net Size	432 x 458 x 44.45 mm
Net Weight	9.2 kg
Package Size	620 x 535 x 160 mm
Package Weight	10.4 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

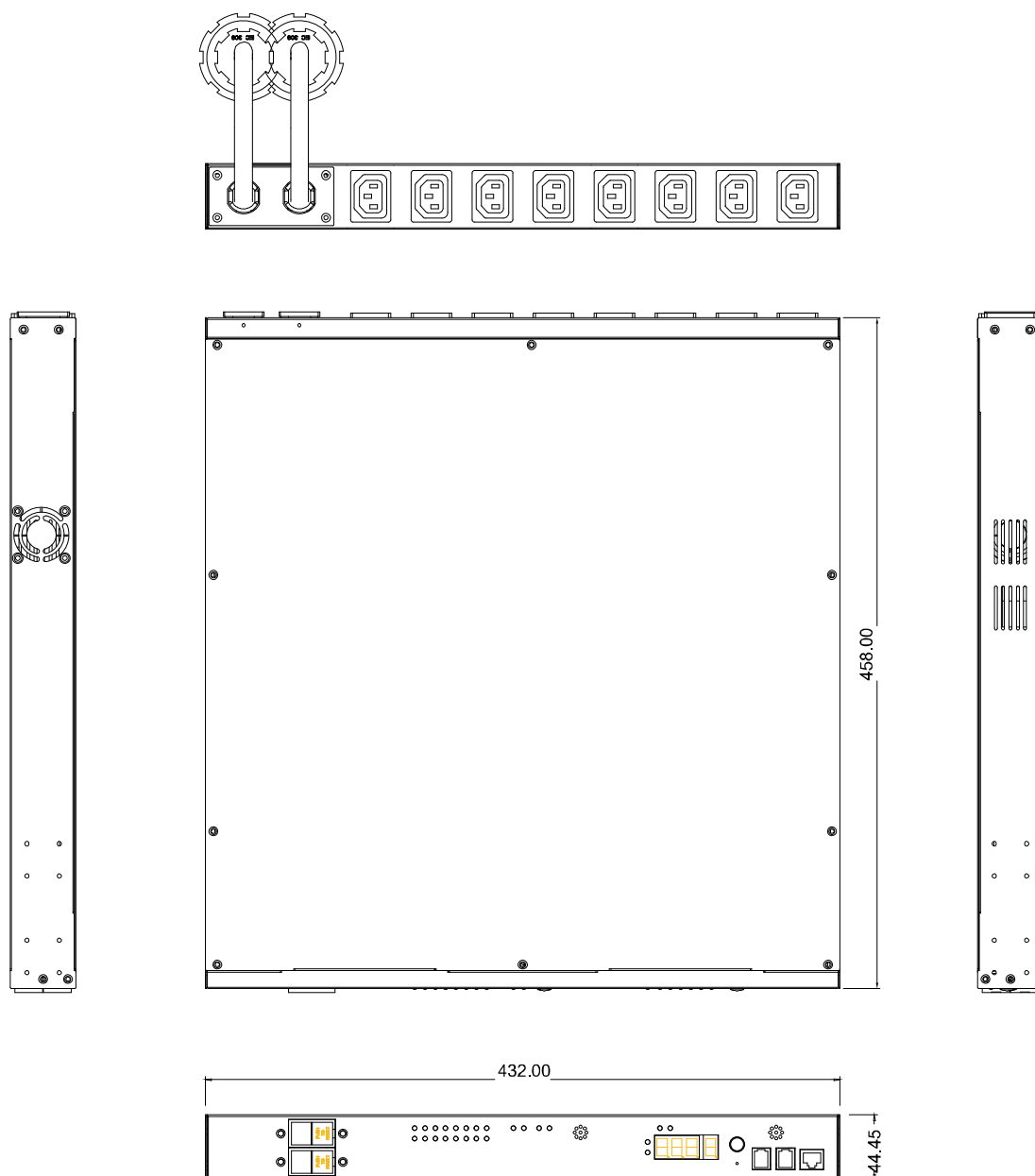
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe
STR-C14-B	C13 socket protection



## Line Drawing



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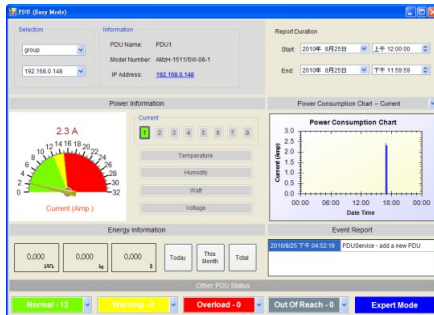


## Central Management

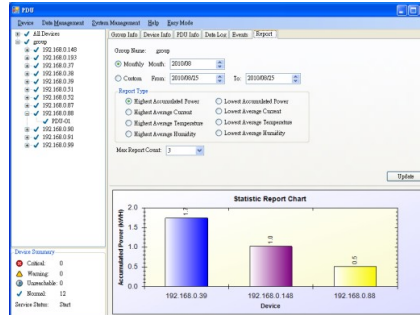
Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Central Management Software

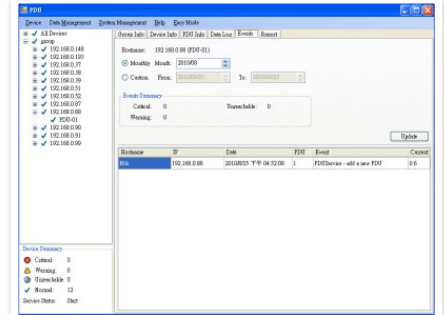
*PC based software, run under Win OS, for central management of large amount of PDU Intelligent Power*



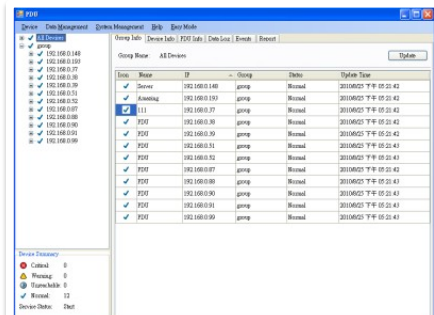
Graphic Monitoring Interface



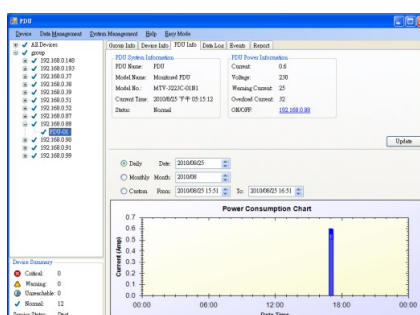
PDU Summary Report



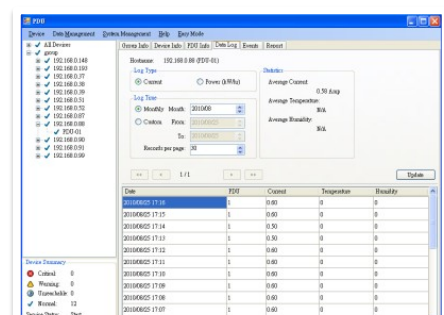
PDU Event Log



All PDU Status Information



PDU Status Information



PDU Data Log

## Features:

- Monitor a large amount of PDU power consumption simultaneously.
- Group Management of a large amount of the PDU.
- Provide power consumption chart for daily monthly or the user-defined period report.
- Send the email and trap to the specific account when the power event occurs.
- Forward the trap to the user-defined account.
- Events can be logged and exported to the Syslog server.

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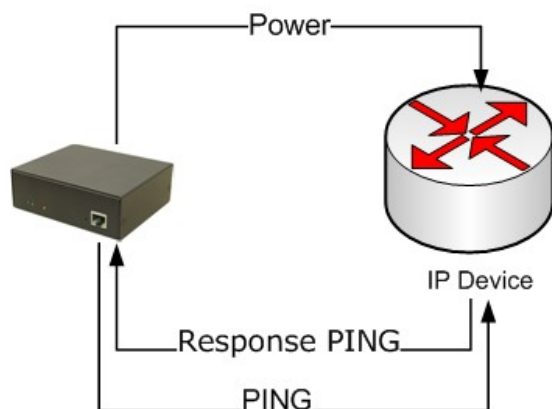
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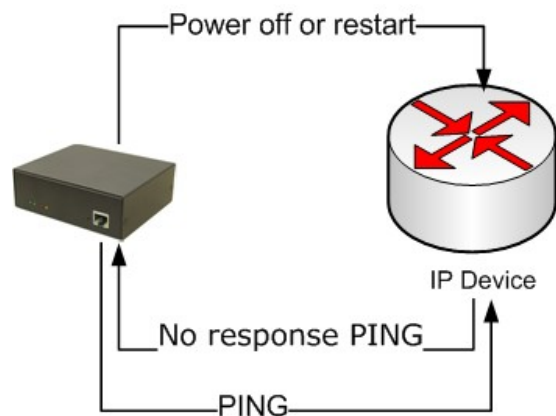
## Annex. 1

### Ping Function

**The device responds PING normally**



**The device is not responding PING properly**



**Model Number:****RIENVTH2****Temp./Humidity Probe****Specification**

Hardware			
Connection	RJ11, cord 1.8m		
Temperature		Humidity	
Range	-30°C~70°C	Range	0~100%
Resolution	0.1°C	Resolution	0.1%
Precision	±1°C	Precision@ 5°C~60°C, 20%~80%	± 3%
		Precision@ other condition	±5%
		Sampling rate	1 second
Operation		Dimension/Weight	
Operation Temp.	0°C~50.0°C	Size	127 x 22 x 20 mm
Storage Temp.	-20.0°C~60.0°C	Weight	62 g
		Package Size	185 x 110 x 56 mm
		Package Weight	110 g

## Model Name:

### Managed PDU (Monitoring & Switching Each outlet)

Managed PDU provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

Managers can monitor the power usage information of each output port from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

Managed PDU has one environmental sensor ports that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Built-in embedded system:  
Support 10M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Multiple protocols:  
Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, NTP, SNMP v1.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.

### Power Management:



#### Remote Monitor

Remote monitoring PDU status by web and SNMP



#### Remote Control

Remote per outlet on/off by web and SNMP.



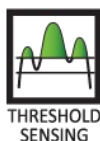
#### Current Measurement

Measure PDU total current consumption.



#### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



#### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



#### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.



### Power Sequence

User-definable power on/off sequence time.



### Ping Event Control

When the specified IT device does not respond to PING, the output will perform a preset power action.



### Group Control

Set multiple outlets as a single group while controlling the power output.



### Environment Detection

Optional accessory probe to detect temperature and humidity.



### Central Management

Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.



### Schedule Control

Timed & scheduled on/off/reboot control.



### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.



### Outlet-Level Monitor

Remote per outlet current monitoring.



### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement. (available by model)

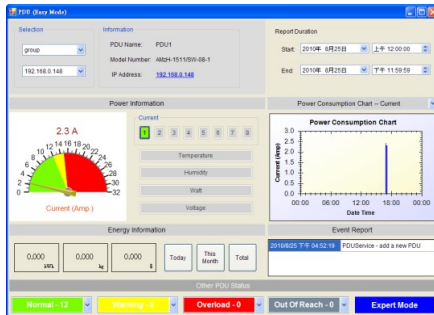


## Central Management

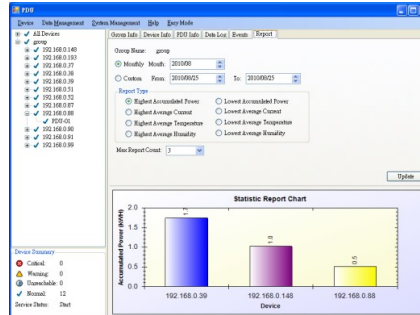
Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.

## Central Management Software

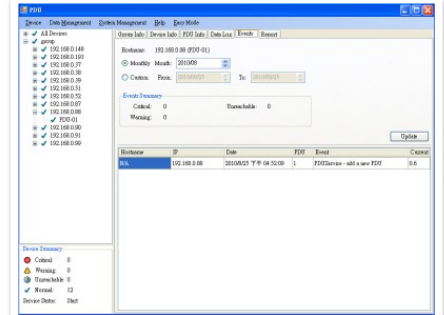
*PC based software, run under Win OS, for central management of large amount of PDU Intelligent Power*



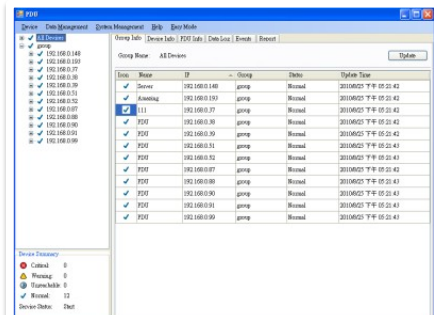
Graphic Monitoring Interface



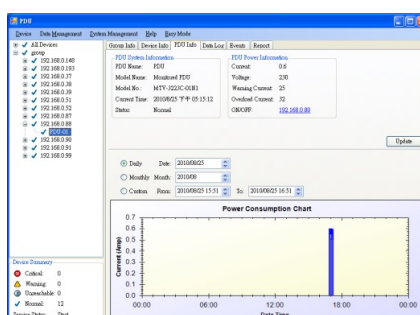
PDU Summary Report



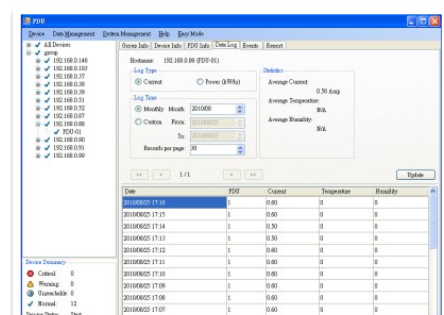
PDU Event Log



All PDU Status Information



PDU Status Information



PDU Data Log

## Features:

- Monitor a large amount of PDU power consumption simultaneously.
- Group Management of a large amount of the PDU.
- Provide power consumption chart for daily monthly or the user-defined period report.
- Send the email and trap to the specific account when the power event occurs.
- Forward the trap to the user-defined account.
- Events can be logged and exported to the Syslog server.

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## Model List: Managed

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIPDU8F</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU8F-32</a>	(8) IEC 320 C13	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU8F-232</a>	(8) IEC 320 C19	(2) IEC309, power cord, 3m	230V	64 Amp
<a href="#">RIPDU8F-KWh</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp

## Model List: Full Managed

Model Number	Output	Input	Voltage	Capacity
<a href="#">RIPDU8F-V2</a>	(8) IEC 320 C13	Inlet IEC320 C20 Power cord, C19 to C20, 3m	230V	16 Amp
<a href="#">RIPDU8F-32-V2</a>	(8) IEC 320 C13	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU16F-32-V2</a>	(14) IEC 320 C13 (2) IEC 320 C19	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU24F-32-V2</a>	(21) IEC 320 C13 (3) IEC 320 C19	IEC309, power cord, 3m	230V	32 Amp
<a href="#">RIPDU24F-316-V2</a>	(21) IEC 320 C13 (3) IEC 320 C19	IEC309, power cord, 3m	400V AC, 3-Phase 3P+N+G / 230V	16 Amp / phase
<a href="#">RIPDU24F-332-V2</a>	(18) IEC 320 C13 (6) IEC 320 C19	IEC309, power cord, 3m	400V AC, 3-Phase 3P+N+G / 230V	32 Amp / phase

## Model Number:

**RIPDU8F**

Front view



Back view



Plug



## Specification

### Output

Voltage	200-240 VAC
Max. Current	16 A
Outlet	(8) IEC320 C13

### Input

Voltage	200-240 VAC
Frequency	50/60Hz, full range
Max. Capacity	3680 VA
Connection	IEC320 C20
Overload Protection	Circuit breaker (UL1077)

### Measurement

Current	+/-2%+/-0.1A @0.2A ~ 20 A
---------	---------------------------

### Other

ENV Connection	RJ11
----------------	------

### Dimension/Weight

Net Size	432 x 162 x 44.5 mm
Net Weight	3.5 kg
Package Size	505 x 210 x 90 mm
Package Weight	3.8 kg

### Operation

Operation Temp.	0 ~ 45°C
Operation Humid.	0% ~ 90% RH
Storage Temp.	-20°C ~ 65°C
Storage Humid.	0% ~ 90% RH

### Approval

Certification	CE, FCC
Warranty	2 years

## Package

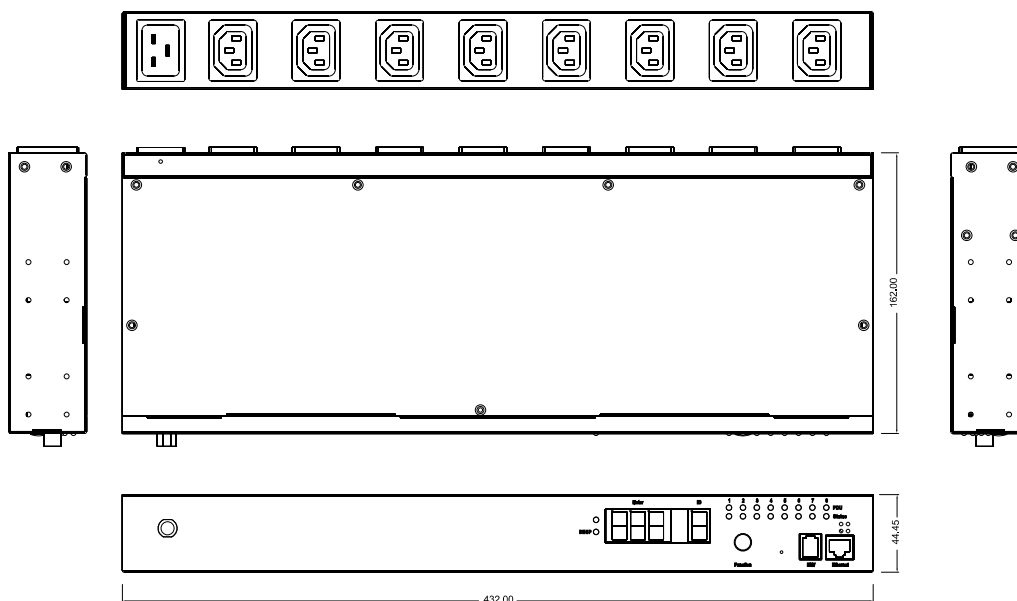
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing





## Model Number:

**RIPDU8F-32**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3m
		Overload Protection	(2) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Net Size	432 x 162 x 44.5 mm	Operation Temp.	0 ~ 45°C
Net Weight	4.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.6 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

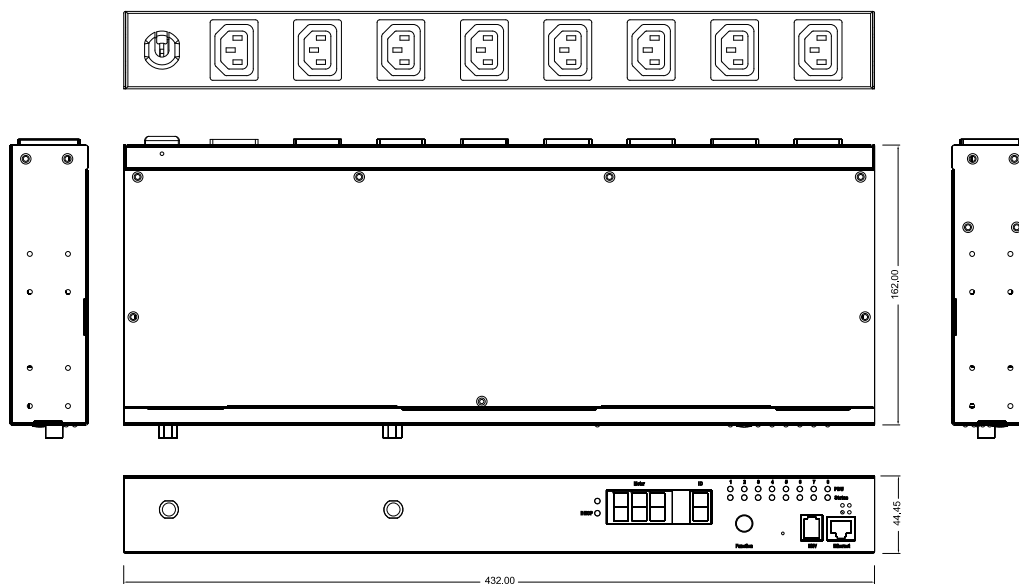
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
CPM-ENV-2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU8F-232**

Front view



Back view



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	2 x 32 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C19	Max. Capacity	1.47 kVA
		Connection	(2) IEC309, power cord, 3m
		Overload Protection	(4) 16A circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Dimension/Weight		Operation	
Net Size	432 x 216 x 44.8 mm	Operation Temp.	0 ~ 45°C
Net Weight	4.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.6 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

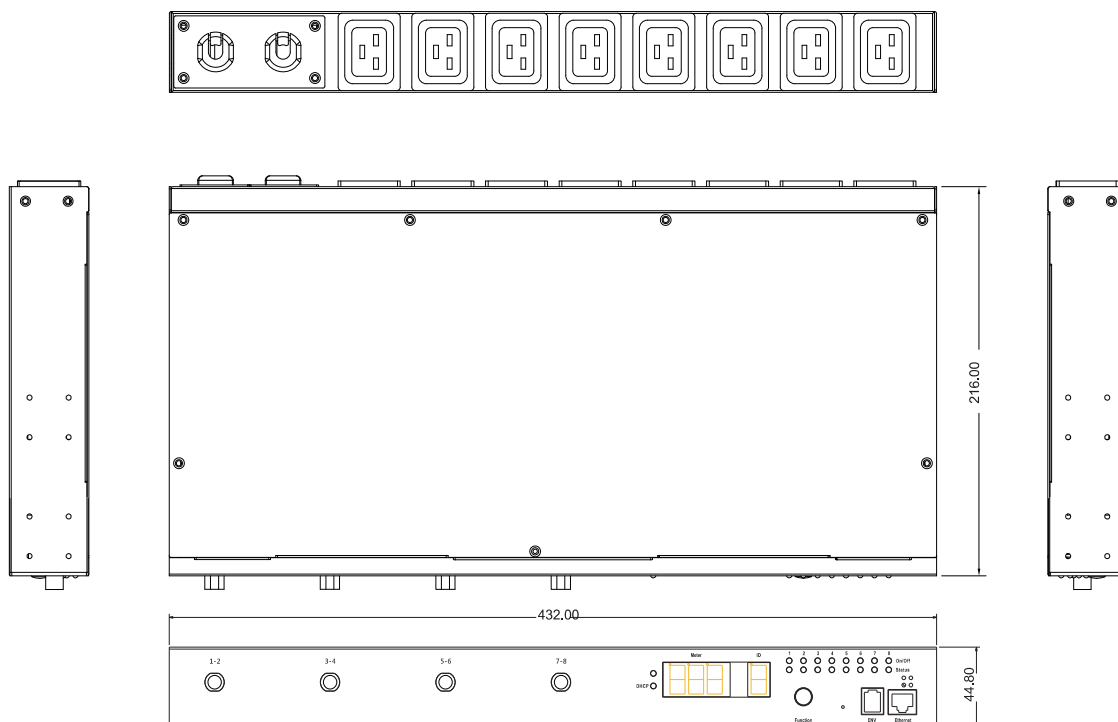
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU8F-KWh**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	3680 VA
		Connection	IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	432 x 216 x 44.5 mm	Operation Temp.	0 ~ 45°C
Net Weight	3.8 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.4 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

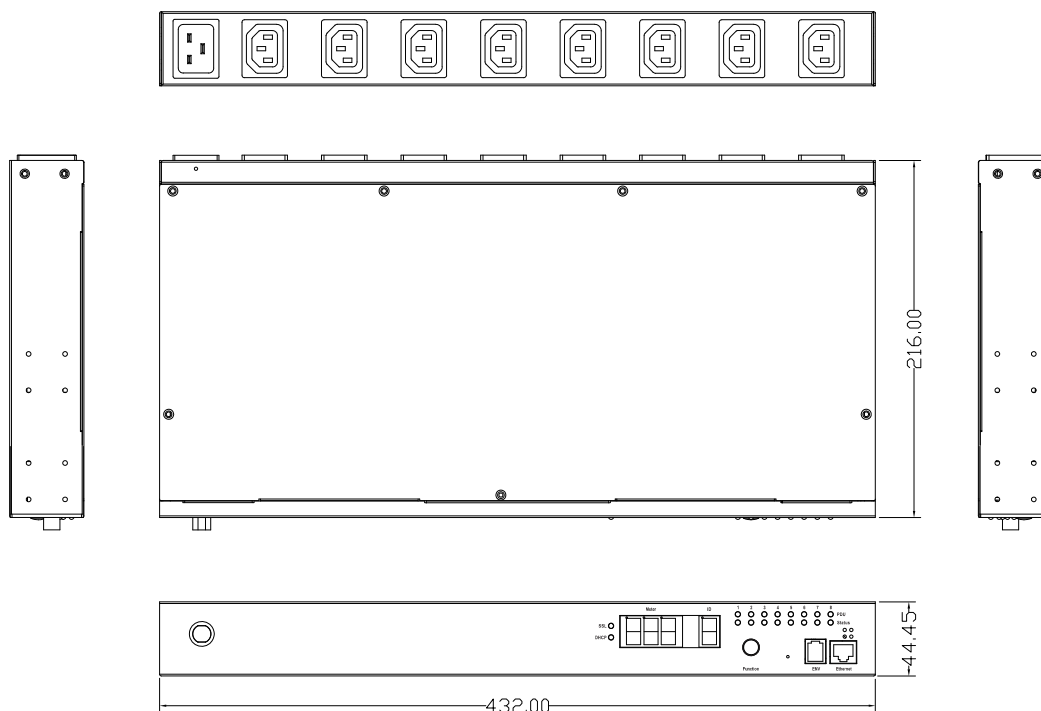
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	C19 to C20, power cord, 3m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



## Model Name:

### Full MANAGED PDU

Full Managed PDU provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

Managers can monitor the power usage information of each output port from the remote end through the Internet to fully understand the power consumption of all the devices. Set up overload event alerts and notify managers via Email and TRAP, allowing managers to respond to crises in the shortest possible time to minimize disasters.

The PDU has two environmental sensor ports that track climate information: temperature and humidity environment variables. The data is available from any web browser and is SNMP-compliant for easy tracking of critical data without the use of any external software.

Provide central management software, which can manage a large number of PDUs' power, temperature and humidity information. The database stores the power consumption information of the power strip and provides the history curve chart for the manager's reference.

## Features:

### System Function:

- ✦ Built-in embedded system:  
Support 10/100M Ethernet interface, provides webpage and SNMP remote management.
- ✦ Local display information:  
Seven-segments can display current, web site and temperature and humidity values.
- ✦ Multiple protocols:  
[Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, HTTPS, FTP, NTP, SNMP v1 / 2/3, TLS1.2, IPv4 and IPv6, Telnet, SSHv2](#)
- ✦ [Management Account Certification:](#)  
[Radius certification support.](#)
- ✦ Multi-account management:  
Multi-group account management system. And provide three-tier permission management.
- ✦ IP filtering:  
Support IP filtering, improve network security mechanisms.
- ✦ Power record:  
Store up to 5000 power and event data.
- ✦ Remote firmware upgrade:  
Provides remote firmware upgrade mechanism.
- ✦ System operation message:  
Send the normal operation of the message automatically by trap.
- ✦ [Hardware key definition:](#)  
[User-definable button function.](#)
- ✦ Temperature unit conversion:  
Temperature units can choose Celsius or Fahrenheit
- ✦ [System configuration restore:](#)  
[Support the output of the system settings, to easily deploy a large amount of the same model of PDU.](#)
- ✦ Multilingual Support:  
Support Chinese, English, French, German, Spanish, Russian, Czech, Arabian, Persian.

## Power Management:



REMOTE  
MONITOR

### Remote Monitor

Remote monitoring PDU status by web and SNMP



CURRENT  
MEASUREMENT

### Current Measurement

Measure PDU total current consumption.



THRESHOLD  
SENSING

### Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.



POWER  
SEQUENCE

### Power Sequence

User-definable power on/off sequence time.



PING EVENT  
CONTROL

### Ping Event Control

When the specified IT device does not respond to PING, the output will perform a preset power action.



GROUP  
CONTROL

### Group Control

Set multiple outlets as a single group while controlling the power output.



EVENT  
REACTION

### Event Reaction

Outlet action via pre-set event, including power, environment event and receiving trap from other device.



ENVIRONMENT  
DETECTION

### Environment Detection

Optional accessory probe to detect temperature and humidity.



REMOTE  
CONTROL

### Remote Control

Remote per outlet on/off by web and SNMP.



MAIL  
NOTIFICATION

### Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.



EVENT  
ALERT

### Event Alert

When current exceeds the preset threshold, PDU will beep and LED will flash.



SCHEDULE  
CONTROL

### Schedule Control

Timed & scheduled on/off/reboot control.



OVERLOAD  
PROTECTION

### Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.



PER OUTLET  
MONITOR

### Outlet-Level Monitor

Remote per outlet current monitoring.



KWH  
MEASUREMENT

### kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement.



CENTRAL  
MANAGEMENT

### Central Management

Free centralized monitoring software, real-time monitoring of a large number of PDU, provide data records and history chart.



## Model Number:

**RIPDU8F-V2**

Front view



Back view



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	16 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	3680 VA
		Connection	Inlet IEC320 C20
		Overload Protection	Circuit breaker (UL1077)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	(2) RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	432 x 216 x 44.5 mm	Operation Temp.	0 ~ 45°C
Net Weight	3.5 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 330 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	4.1 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

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## Package

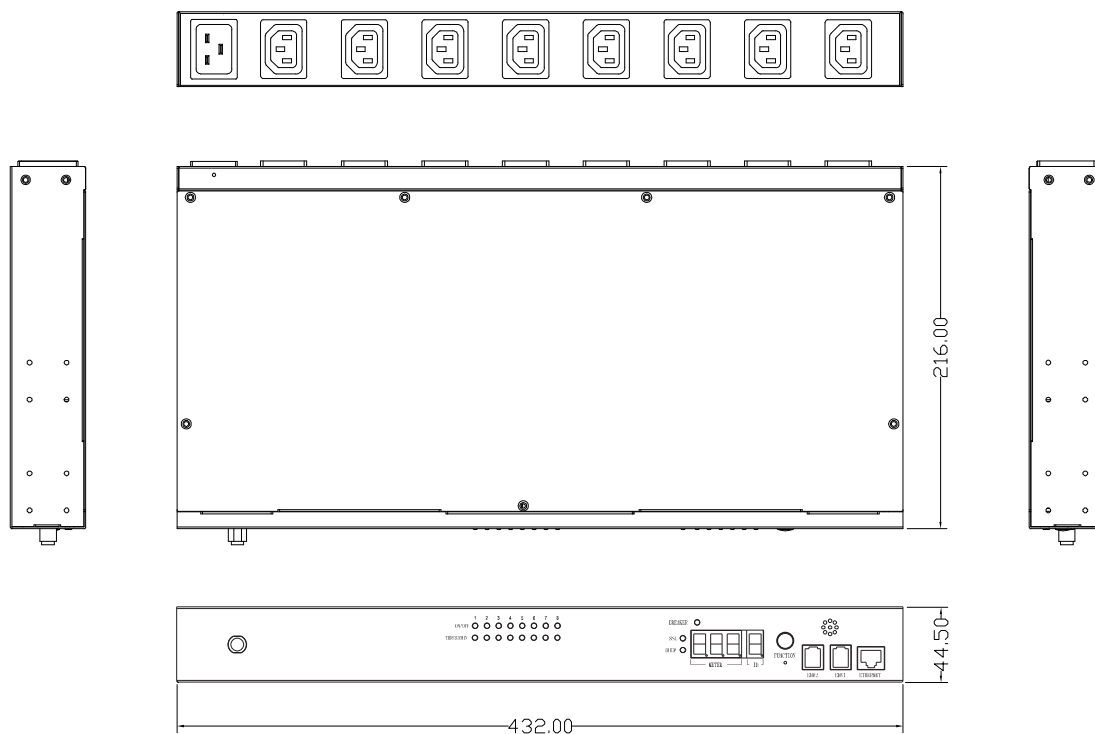
No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)
4	Power cord, C19 to C20, 3 m

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



## Model Number:

**RIPDU8F-32-V2**

Front view



Back view



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(8) IEC320 C13	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3m
		Overload Protection	(2) 16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	(2) RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	432 x 216 x 44.5 mm	Operation Temp.	0 ~ 45°C
Net Weight	4.4 kg	Operation Humid.	0% ~ 90% RH
Package Size	490 x 390 x 155 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	5.0 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

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## Package

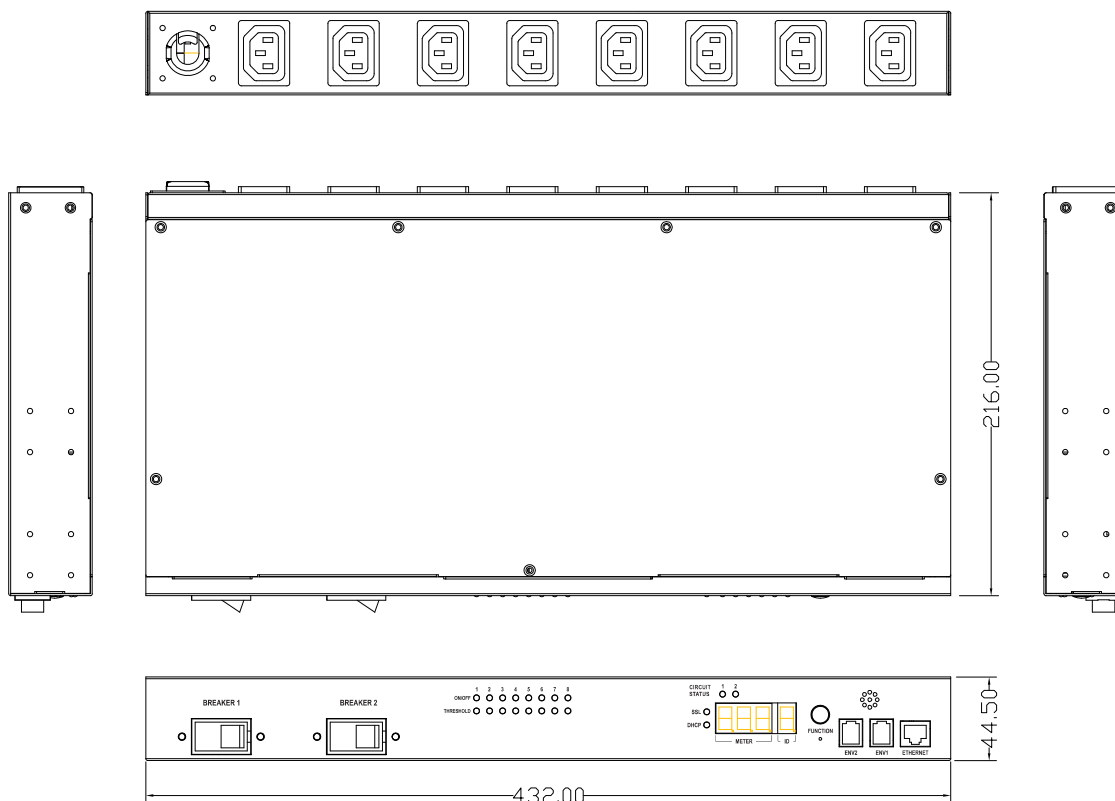
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection



## Line Drawing



**Model Number:**

**RIPDU16F-32-V2**



Plug



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(14) IEC320 C13 (2) IEC320 C19	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3m
		Overload Protection	(2) 16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	(2) RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	1245 x 56 x 80 mm	Operation Temp.	0 ~ 45°C
Net Weight	5.8 kg	Operation Humid.	0% ~ 90% RH
Package Size	1360 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	6.6 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

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## Package

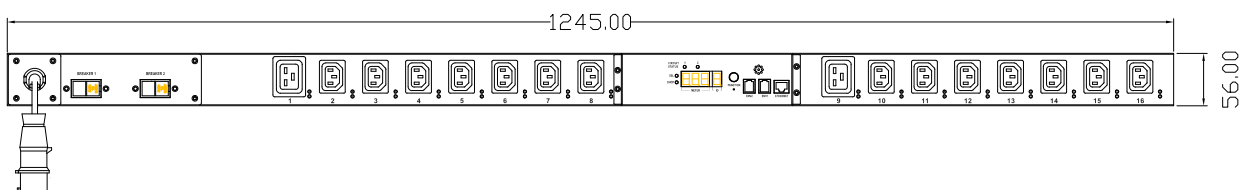
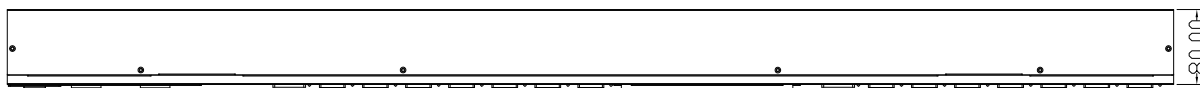
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection
STR-C20-B	C19 socket protection



## Line Drawing



## Model Number:

**RIPDU24F-32-V2**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	32 A	Frequency	50/60Hz, full range
Outlet	(21) IEC320 C13 (3) IEC320 C19	Max. Capacity	7360 VA
		Connection	IEC309, power cord, 3m
		Overload Protection	(3)16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	(2) RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	177(8) 56 x 80 mm	Operation Temp.	0 ~ 45°C
Net Weight	7.8 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	9.0 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC, UL		
Warranty	2 years		

## Package

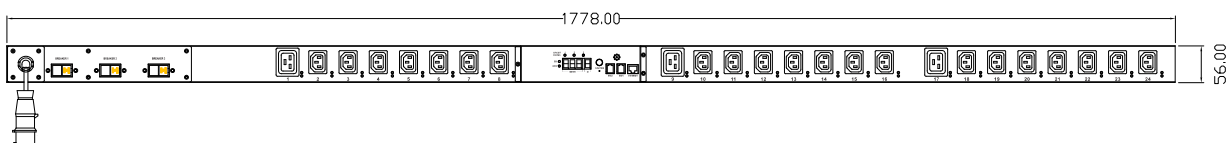
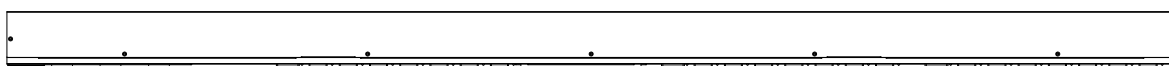
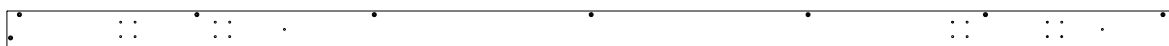
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection
STR-C20-B	C19 socket protection



## Line Drawing





## Model Number:

**RIPDU24F-316-V2**

Plug



## Specification

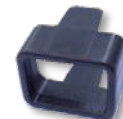
Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	16 A / phase	Frequency	50/60Hz, full range
Outlet	(21) IEC320 C13 (3) IEC320 C19	Max. Capacity	11 kVA
		Connection	IEC309, power cord, 3m
		Overload Protection	(3) 16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	(2) RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	177(8) 56 x 80 mm	Operation Temp.	0 ~ 45°C
Net Weight	7.8 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	9.0 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

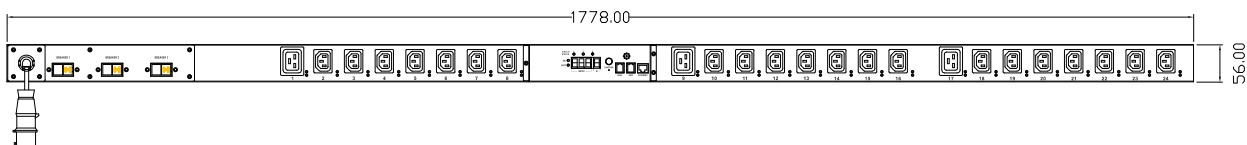
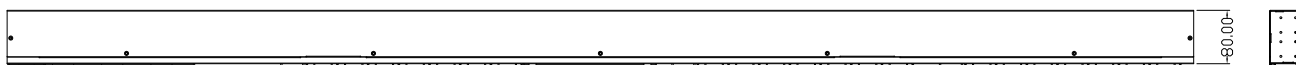
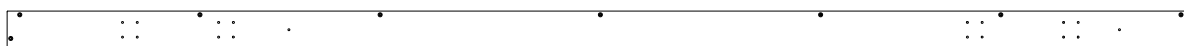
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection
STR-C20-B	C19 socket protection



## Line Drawing



## Model Number:

**RIPDU24F-332-V2**



## Specification

Output		Input	
Voltage	200-240 VAC	Voltage	400 VAC, 3 Phase 3P+N+PE
Max. Current	32 A / phase	Frequency	50/60Hz, full range
Outlet	(18) IEC320 C13 (6) IEC320 C19	Max. Capacity	22 kVA
		Connection	IEC309, power cord, 3m
		Overload Protection	(6) 16A circuit breaker (UL489)
Measurement		Other	
Current	+/-2%+/-0.1A @0.2A ~ 20 A	ENV Connection	(2) RJ11
Voltage	+/- 1% +/- 1V @80V~260V		
Active Power	+/- 1% +/- 5W @50W~8000W		
Apparent Power	+/- 1% @50VA~8000VA		
Frequency	+/- 1% @50~65Hz		
Power Factor	+/- 1% @0.1~1.0		
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		
Dimension/Weight		Operation	
Net Size	177(8) 56 x 80 mm	Operation Temp.	0 ~ 45°C
Net Weight	8.0 kg	Operation Humid.	0% ~ 90% RH
Package Size	1890 x 220 x 110 mm	Storage Temp.	-20°C ~ 65°C
Package Weight	9.2 kg	Storage Humid.	0% ~ 90% RH
Approval			
Certification	CE, FCC		
Warranty	2 years		

## Package

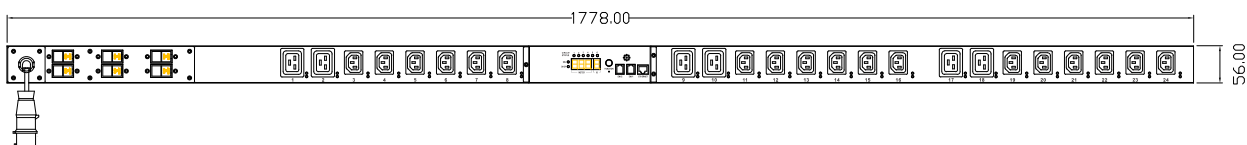
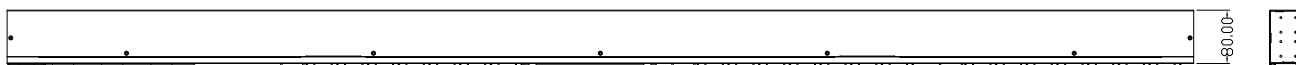
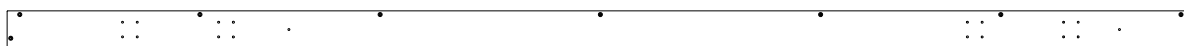
No.	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Software CD (manual, MIB)

## Accessory

Model Number	Model Name
RIENVTH2	Temp./Humidity probe (ENV)
STR-C14-B	C13 socket protection
STR-C20-B	C19 socket protection



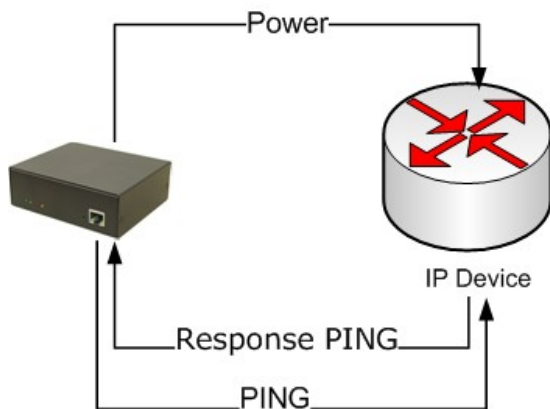
## Line Drawing



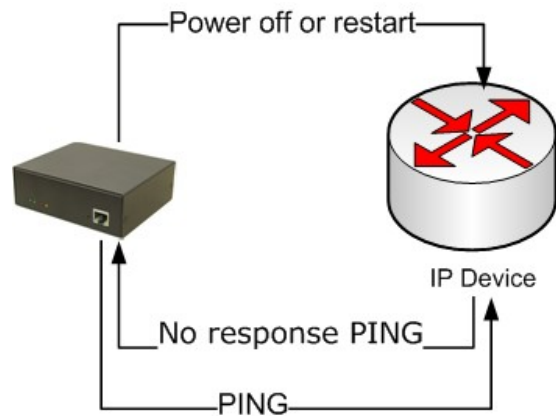
## Annex. 1

### Ping Function

**The device responds PING normally**



**The device is not responding PING properly**



**Model Number:****RIENVTH2****Temp./Humidity Probe****Specification**

Hardware			
Connection	RJ11, cord 1.8m		
Temperature		Humidity	
Range	-30°C~70°C	Range	0~100%
Resolution	0.1°C	Resolution	0.1%
Precision	±1°C	Precision@ 5°C~60°C, 20%~80%	± 3%
		Precision@ other condition	±5%
		Sampling rate	1 second
Operation		Dimension/Weight	
Operation Temp.	0°C~50.0°C	Size	127 x 22 x 20 mm
Storage Temp.	-20.0°C~60.0°C	Weight	62 g
		Package Size	185 x 110 x 56 mm
		Package Weight	110 g



## **KVM AND POWER SOLUTION**

- **KVM EXTENDER DVI**
- **NEWS**







## KVM EXTENDER CONFIGURATOR

	DVI	VGA	DM	HDMI	USER HID	USER 2.0	AUDIO	IPS	RS232	LOCAL	CAT5	FIBER	IP	MULTICAST	DISTANCE m
SI-V100	X				X					X	X				100
SI-V300	X				X					X	X				300
SI-D10			X		X	X	X				(2x) X				50
SI-D50			X		X			X			X				50
SI-D100			X		X	X	X	X			X		X		100
SI-D105			X		X	X	X	X		X	X		X		100
SI-D200			(2x) X		X	X	X	X			X		X		100
SI-M01	X (Local)	X			X	X	X			X	X			X	130
SI-M01-P	X (Local)	X			X	X	X			X		X		X	Up to 20Km
SI-M02	X (Local)	(2x) X			X	X	X			X	X			OPTION	130
SI-M02-P	X (Local)	(2x) X			X	X	X			X		X		OPTION	Up to 20Km
SI-M02	X (Local)	(2x) X			X	X	X			X	X			OPTION	130
SI-M02-P	X (Local)	(2x) X			X	X	X			X		X		OPTION	Up to 20Km
SI-H100				X	X	X	X	X	X		X		X	X	100
SI-S01			X	X	X	X				X	X			OPTION	130
SI-H100-L				X			X	X			X				100
SI-U300						X					X				70
SI-U200			X		X	X	X	X	X	X	X		X	X	100m



**KVM EXTENDER VGA USB UP TO 100M WITH LOCAL ACCESS***Front**Rear*

The RI-V100 applies new KVM extender technology that maximize console's control span up to 100M/328ft away via CATx cable, including keyboard, monitor, and mouse. Suitable for use in an exhibition room, working floors, security room, locked server room, or other mission-critical scenarios, this CAT5 KVM extender set allows easy-access for administrator to locate local console from the remote console, or vice versa without security or distance limitations. The RI-V100 is firmware up-gradable via USB interface, thus can be serviced easily with latest functionality or compatibility enhancement.

**FEATURES:**

- *CAT5 USB KVM Extender*
- *100M/328ft CAT5 extension distance*
- *Local / Remote computer selection in Receiver console*
- *DDC / EDID support mode selection for Local / Remote monitor*
- *Analog video resolution support up to 1920 x 1200*

**SPECIFICATIONS:**

Model No.	RI-V100
Product Description	CAT5 USB KVM Extender
Number of Console	2 (1 Local + 1 Remote)
Maximum PC Connections	2 (1 Local + 1 Remote)
Console Keyboard Connector	(TX) USB Type A Female (RX) USB Type A Female
Console Mouse Connector	(TX) USB Type A Female (RX) USB Type A Female
Console Video Connector	(TX) HDB15 Female (RX) HDB15 Female
PC Keyboard Connector	(TX) HDB15 Female (RX) HDB15 Female
PC Mouse Connector	(TX) HDB15 Female (RX) HDB15 Female
PC Video Connector	(TX) HDB15 Female (RX) HDB15 Female
PC selection	Push Button / Hotkey / OSD
PC port LED	6 Green (3 on each unit)
Power LED	2 Red (1 on each unit)
Analog Display Resolution	1920 x 1200
Keyboard & Mouse Emulation	Yes
DDC Emulation	Yes
OSD Menu	Yes
Keyboard Hotkey	Yes
Firmware Upgrade	Yes
Operation Temperature	0 ~ 40 °C
Storage Temperature	-20 ~ 60 °C
Humidity	0 ~ 90 % RH, Non-Condensing
Power Adapter	DC 5V
Weight	600 g
Housing	Metal
Dimension(L×W×H)	131 x 65 x 26 (mm)
Safety / Emission	FCC, CE

**KVM EXTENDER VGA USB UP TO 300M WITH LOCAL ACCESS***Front**Rear*

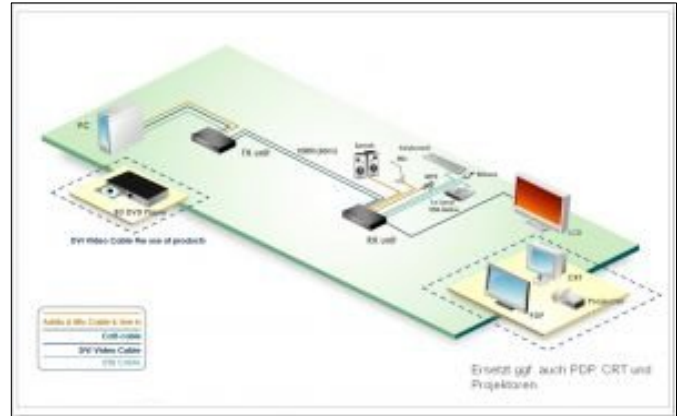
The RI-V300 applies new KVM extender technology that maximize console's control span up to 300M/1000ft away via CATx cable, including keyboard, monitor, and mouse. Suitable for use in an exhibition room, working floors, security room, locked server room, or other mission-critical scenarios, this CAT5 KVM extender set allows easy-access for administrator to locate local console from the remote console, or vice versa without security or distance limitations. The RI-V300 is firmware up-gradable via USB interface, thus can be serviced easily with latest functionality or compatibility enhancement.

**FEATURES:**

- *CAT5 USB KVM Extender*
- *300M/1000ft CAT5 extension distance*
- *Local / Remote computer selection in Receiver console*
- *DDC / EDID support mode selection for Local / Remote monitor*
- *Analog video resolution support up to 1920 x 1200*

**SPECIFICATIONS:**

Model No.	RI-V100
Product Description	CAT5 USB KVM Extender
Number of Console	2 (1 Local + 1 Remote)
Maximum PC Connections	2 (1 Local + 1 Remote)
Console Keyboard Connector	(TX) USB Type A Female (RX) USB Type A Female
Console Mouse Connector	(TX) USB Type A Female (RX) USB Type A Female
Console Video Connector	(TX) HDB15 Female (RX) HDB15 Female
PC Keyboard Connector	(TX) HDB15 Female (RX) HDB15 Female
PC Mouse Connector	(TX) HDB15 Female (RX) HDB15 Female
PC Video Connector	(TX) HDB15 Female (RX) HDB15 Female
PC selection	Push Button / Hotkey / OSD
PC port LED	6 Green (3 on each unit)
Power LED	2 Red (1 on each unit)
Analog Display Resolution	1920 x 1200
Keyboard & Mouse Emulation	Yes
DDC Emulation	Yes
OSD Menu	Yes
Keyboard Hotkey	Yes
Firmware Upgrade	Yes
Operation Temperature	0 ~ 40 °C
Storage Temperature	-20 ~ 60 °C
Humidity	0 ~ 90 % RH, Non-Condensing
Power Adapter	DC 5V
Weight	600 g
Housing	Metal
Dimension(L×W×H)	131 x 65 x 26 (mm)
Safety / Emission	FCC, CE

**DVI USB 2.0 KVM Extender****Description:**

The DVI USB KVM Extender RI-X50 with Audio extends your DVI display up to 50m away from your DVI source using Cat 5e cables. The use of Cat 5e cables provides a simple and reliable connection Method that takes advantage of the wiring system in most modern office buildings.

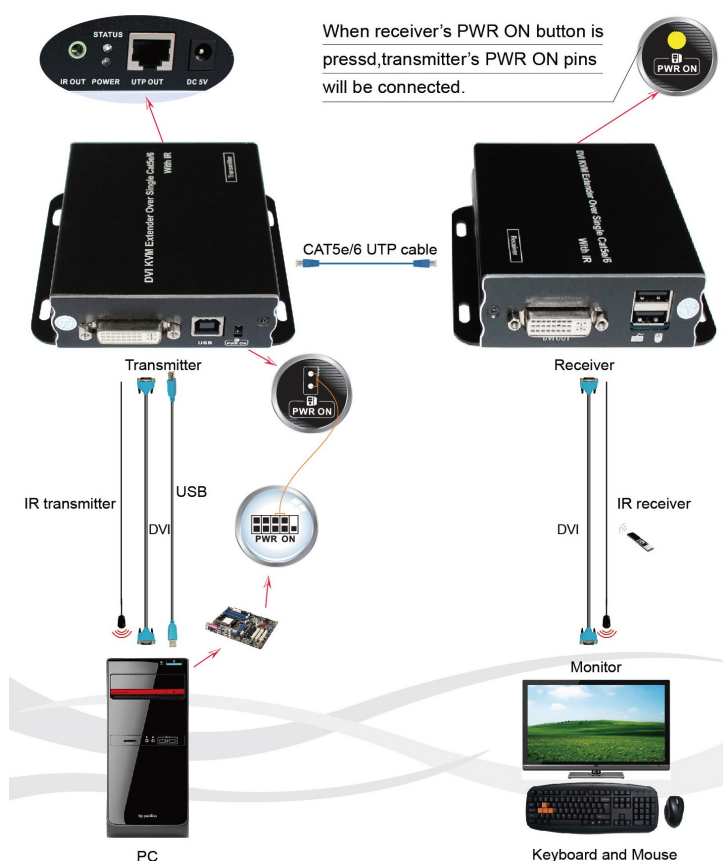
The RI-X50 incorporates technology that allows the Audio (optional) KVM signal to be transmitted over Cat 5e cable. If the real EDID is required, it simply goes through the Cat 5e cable. With stereo audio support and include for popular widescreen formats (resolution up to 1920 x 1200), the RI-X50 provides crystal-clear image and sound quality in all installations where remote DVI displays are required.

**Features:**

- Long distance transmission – up to 50m
- Uses Cat 5e cable to connect the local and remote units
- Features EDID technology that allows transmission over Cat 5e cable
- Superior video quality –up to 1920x1200 (40m); 1080p (40m); 1080i (50m)
- Stereo Audio enabled
- Adjustable EQ compensation control
- Supports widescreen formats
- Extends the distance between DVI source and DVI display device
- HDCP Compatible
- USB Keyboard and USB Mouse Ports + USB Device Port
- Dimension: 131x70x26 mm (LxWxH)

## DVI USB KVM EXTENDER

This DVI/USB Extender single CATx cable up to 50 m in FULL HD resolution



**Tx**



**Rx**

### Description:

The DVI USB KVM Extender RI-X51 extends your DVI display up to 50m away from your DVI source using Cat 5e cables. The use of Cat 5e cables provides a simple and reliable connection

Method that takes advantage of the wiring system in most modern office buildings. The RI-X51 incorporates

technology that allows the KVM signal to be transmitted over Cat 5e cable. If the real EDID is required, it simply goes through the Cat 5e cable, support and include for popular widescreen formats (resolution up to 1920 x 1200), the RI-X51 provides crystal-clear image

quality in all installations where remote DVI displays are required.

**Features:**

- Using single UTP cable (cat5e/6) to extended longer transmission distance. Up to 50m
  - Support 8KV ESD protection.
  - Support TMDS equalization and enhancement.
  - Support EDID pass through via CATx cable, for best compliance with most display devices.
  - Support infrared control signal pass through via CATx cable.
  - Support Wide-band IR(38khz-56khz).
  - Transmit keyboard and mouse data via CATx, It's easy to control PC remotely.
  - With customized remote button, It's easy to turn on PC remotely.
  - Support **1920x1080@60Hz**.
- 

**Packing Contents:**

- Transmitter **x1**
  - Receiver **x1**
  - IR transmitter **x1**
  - IR receiver **x1**
  - DC5V Power Supply **x2**
  - User manual **x1**
- 

**Note:**

- **No connection cables included!**
- **Cables:**
- **RI17762** - 2xDVI-D MM Lg. 2m.
- **RI17662** - HDMI - DVI-D MM Lg. 2m. (power on function disabled)
- **RI17112** - DP - DVI-D MM Lg. 2m. (power on function disabled)
- **RIS34518** - USB A-B MM Lg. 2m



**DVI KVM EXTENDER OVER LAN 100M EXTENSION****AUDIO, Mic, Hub & RS232****2 x USB 2.0 PORTS FOR KEYBOARD, MOUSE****2 x USB 2.0 TRANSPARENT FOR OTHER DEVICES****HIGH QUALITY DIGITAL VIDEO SUPPORT UP TO 1920x1200 @60Hz**

The DVI KVM Extender Over LAN comprises two distinct Units, the Transmitter and Receiver Unit. It allows fully access and complete control of your computing resources over the UTP cable. They are LAN based KVM Extender systems that allow access to a computer system from a remote console anywhere on your existing network infrastructure.

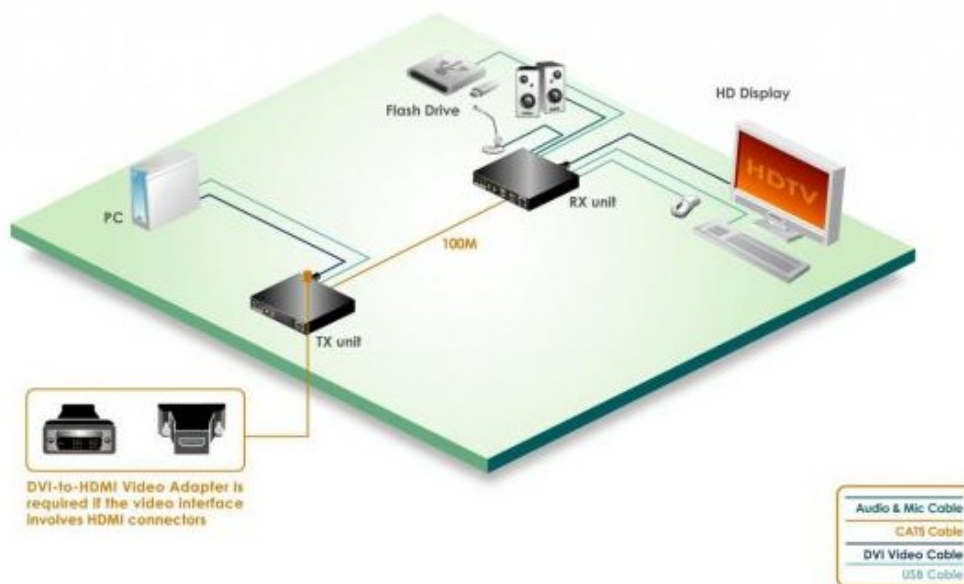
The DVI KVM Extender offers the extension of keyboard, mouse, video, Mic., and USB equipment, use two Cat5e cable transmission, up to 100M away from your local PC.

The KVM Extender can support a dual head digital video with each resolution up to 1920 x 1200 @60Hz over 100M of Cat5e cable, while still keeping a satisfying video quality at the same time. Furthermore, the DVI KVM Extenders support Graphic Mode / Video Mode selection to suit your display requirements. Graphic mode is optimized for still graphic displays; while video mode is best for a dynamically changing video stream.



**FEATURES:**

- Extension distance up to 100M/ 330ft. over two Cat5e UTP cable segment.
- Extending another 100M by adding the Gigabit Ethernet Switch through Cat5e cable between Transmitter and Receiver Units.
- 4 x USB 2.0 Ports with USB extension over LAN for keyboard, mouse and other devices.
- Support Audio, Mic., extension over LAN
- Each Digital Video resolution can support up to 1920 x 1200 up to 100M
- Graphic Mode and Video Mode for selection
- Fully compatible with USB HID device for any keyboard, mouse and USB devices
- Supports multiplatform OS such as Windows /2000/XP/Vista/7/Windows 8 and Linux
- Easy Plug-and-Play application, no configuration required
- Optional IR remote control Unit accessories available



**SPECIFICATIONS:**

Model No.	RI-X100-TX	RI-X100-RX
Component Units	1 x RI-X100-TX (Transmitter Unit)	1 x RI-X100-RX (Receiver Unit)
PC Connections	1	No
Connectors	1 x DVI-D Female 1 x Remote Out Jack 1 x USB Port (Type B) 1 x Mic. Jack 1 x Speaker Jack 1 x RJ45	1 x DVI-D Female 1 x Remote In Jack 4 x USB Port (Type A) 1 x Mic. In Jack 1 x Speaker Out Jack 1 x RJ45
LEDs	1 x Video (Red), 1 x Link (Green)	
Switch Button	2 x Momentary Switch 1 x 3 Position Dip Switch	
DVI Video Resolution	1920 x 1200@60Hz – 100M/ 330ft.	
Operation Temperature	0 ~ 40 °C	
Storage Temperature	-20 ~ 60 °C	
Humidity	0~90% RH, Non-condensing	
Weight	480g	490g
Dimension (L x W x H)	139 x 119 x 25 mm	
Housing	Metal enclosure	
Power Adapter	DC 9V	
Safety / Emission	FCC, CE	

**ORDERING INFORMATION:**

RI-X100-TX DVI KVM Extender over LAN w/ Audio, Mic, Hub - Transmitter Unit –100M

RI-X100-RX DVI KVM Extender over LAN w/ Audio, Mic, Hub, – Receiver Unit – 100M

RI-2176 IR Receiver

RI-2177 IR Emitter

RI-2058 DVI-D Cable

RI-2131 DVI/USB/Audio Combo Cable

## CAT5 DVI KVM Extender Over LAN w/ Audio, Mic., Separated Hub, & Local Console



rear - RI-X105  
(Transmitter & Receiver)

The CAT5 DVI KVM Extender Over LAN w/ Audio, Mic., Separated Hub, & Local Console is not the typical KVM Extender but specially design for use with DVI USB KVM. Normal USB KVMs have a console along with USB device ports and needs to have separated hub to keep both the console hotkey functionality and USB 2.0 device performance. **RI-X105** Transmitter also have console for convenience usage at both locations. Applicable MIS center, Data center, or Off-site storage facilities.

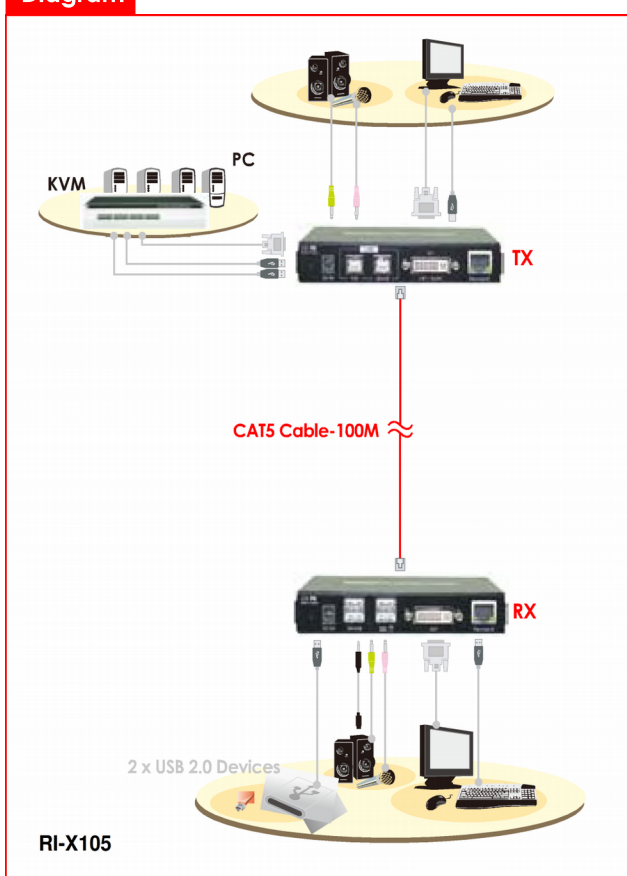
### Features

- Extension distance up to 100M/ 330ft. over Cat5e UTP cable segment
- Extending another 100M by adding the Gigabit Ethernet Switch through Cat5e cable between Transmitter and Receiver Units
- Support 2 x USB 2.0 device extension over LAN plus 2 x USB port for keyboard and mouse
- Support Audio, and Mic. extension over LAN
- Supports multiplatform OS such as Windows Vista/ 7/ 8 and Linux
- Easy Plug - and - Play application, no configuration required
- Optional IR remote control Unit accessories available

### Specification

Model No.	RI-X105-TX	RI-X105-RX
Component Name	Transmitter Unit	Receiver Unit
PC Connections	1	—
Console Video Out	1 x DVI-D Female	
KVM Connector	2 x USB Type B	—
USB Device Connector	Keyboard + Mouse	Keyboard + Mouse + 2 x USB 2.0
Switch / Button	2 x Momentary Switch + 1 x 4 Position Dip Switch	
Display Resolution	Full HD 1080p @ 60Hz	
Dimension (L x W x H)	140 x 132 x 26 mm	
Power Adapter	DC 9V	

### Diagram



### Accessories



## **DUAL MONITORS DVI KVM EXTENDER OVER LAN 100M EXTENSION AUDIO, Mic, Hub & RS232**

**2 x USB 2.0 PORTS FOR KEYBOARD, MOUSE  
2 x USB 2.0 TRANSPARENT FOR OTHER DEVICES**

**HIGH QUALITY DIGITAL VIDEO SUPPORT UP TO 1920x1200 @60Hz**



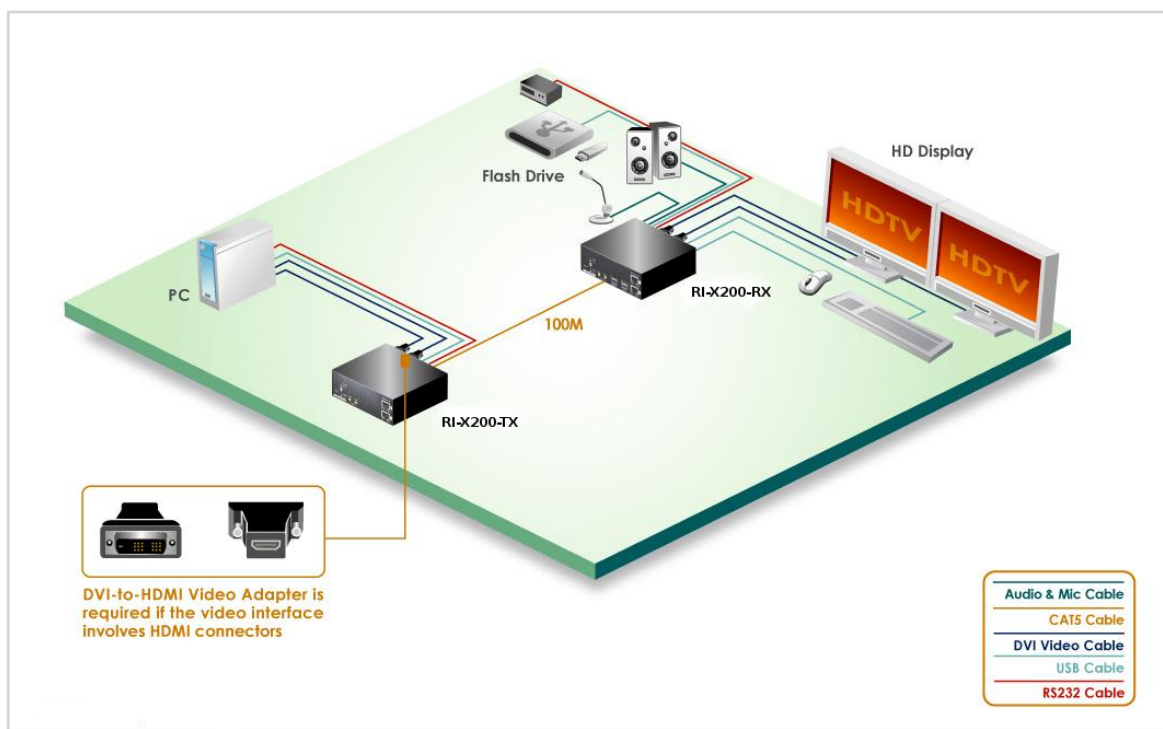
The Dual Monitors DVI KVM Extender Over LAN comprises two distinct Units, the Transmitter and Receiver Unit. It allows fully access and complete control of your computing resources over the UTP cable. They are LAN based KVM Extender systems that allow access to a computer system from a remote console anywhere on your existing network infrastructure.

The Dual Monitors DVI KVM Extender offers the extension of keyboard, mouse, video, Mic., RS232, and USB equipment, use two Cat5e cable transmission, up to 100M away from your local PC.

The KVM Extender can support a dual head digital video with each resolution up to 1920 x 1200 @60Hz over 100M of Cat5e cable, while still keeping a satisfying video quality at the same time. Furthermore, the Dual Monitors DVI KVM Extenders support Graphic Mode / Video Mode selection to suit your display requirements. Graphic mode is optimized for still graphic displays; while video mode is best for a dynamically changing video stream.

**FEATURES:**

- Extension distance up to 100M/ 330ft. over two Cat5e UTP cable segment.
- Extending another 100M by adding the Gigabit Ethernet Switch through Cat5e cable between Transmitter and Receiver Units.
- 4 x USB 2.0 Ports with USB extension over LAN for keyboard, mouse and other devices.
- Support Audio, Mic., and RS232 extension over LAN
- Each Digital Video resolution can support up to 1920 x 1200 up to 100M
- Graphic Mode and Video Mode for selection
- Fully compatible with USB HID device for any keyboard, mouse and USB devices
- Supports multiplatform OS such as Windows /2000/XP/Vista/7/Windows 8 and Linux
- Easy Plug-and-Play application, no configuration required
- Optional IR remote control Unit accessories available



**SPECIFICATIONS:**

Model No.	RI-X200-TX	RI-X200-RX
Component Units	1 x RI-X200-TX (Transmitter Unit)	1 x RI-X200-RX (Receiver Unit)
PC Connections	1	No
Connectors	2 x DVI-D Female 1 x Remote Out Jack 1 x USB Port (Type B) 1 x Mic. Jack 1 x Speaker Jack 2 x RJ45 1 x DB9F	2 x DVI-D Female 1 x Remote In Jack 4 x USB Port (Type A) 1 x Mic. In Jack 1 x Speaker Out Jack 2 x RJ45 1 x DB9M
LEDs	2 x Video (Red), 2 x Link (Green)	
Switch Button	2 x Momentary Switch 1 x 3 Position Dip Switch	
DVI Video Resolution	1920 x 1200@60Hz – 100M/ 330ft. Each Head	
Operation Temperature	0 ~ 40 °C	
Storage Temperature	-20 ~ 60 °C	
Humidity	0~90% RH, Non-condensing	
Weight	750g	750g
Dimension (L x W x H)	120 x 135 x 53.5 mm	
Housing	Metal enclosure	
Power Adapter	DC 9V	
Safety / Emission	FCC, CE	

**ORDERING INFORMATION:**

RI-X200-TX Dual Monitors DVI KVM Extender over LAN w/ Audio, Mic., Hub & RS232 - Transmitter Unit –100M

RI-X200-RX Dual Monitors DVI KVM Extender over LAN w/ Audio, Mic., Hub, & RS232 – Receiver Unit – 100M

RI-2176 IR Receiver

RI-2177 IR Emitter

RI-2058 DVI-D Cable

RI-2131 DVI/USB/Audio Combo Cable

RI-2190 COM Cable



**DVI / VGA USB2.0 KVM Extender**

130m distance at max. 1920x1200 resolution  
 Analog VGA extension (opt.)  
 Automatic Plug and Play installation  
 Transparent USB 2.0 extension  
 Digital sound in both directions (opt.)  
 High reliability and rugged design  
 19" rack mountable

DVI extension without loss of quality  
 Local and remote monitor  
 Compatible with all CAT5/6/7 cables  
 Flash firmware – upgradable without cable  
 One CAT5/6/7 cable needful  
 Full HD Video performance  
 Ultra compact: up to 4 channels in a 19" 1U

The **Single Smartline KVM Extender RMX1** is optimized for all signals such as DVI, VGA and USB. The transmission distance of 130m is completely lossless. USB.

The transparent USB 2.0 interface supports keyboard, mouse, tablets and touch screens, sound modules, printer, smartcard readers, serial adapters and more. Memory Stick / Harddisk support available by switchable USB Memory option. Audio and Analog transmission is possible via option. The local part converts the VGA signal directly to DVI signal.

**TECHNICAL SPECIFICATION**

Dimensions:	97 x 40 x 104mm
Weight:	540g per set
Power input:	6W per device
Ambient temperature:	0 bis 45° C
Material:	Anodized aluminium
Power Supply:	12V 1A external power supply

**DELIVERY INCLUDING**

1 x RMX1 / PC	4 x Mounting pads
1 x RMX1 / Monitor	1 x USB/Audio cable (opt.)
2 x Power Supplies	1 x VGA/DVI cable (opt.)
1 x DVI cable	
1 x USB cable	
4 x Rubber feet	

## DVI / VGA USB2.0 KVM Extender-Optical Fiber



500m distance at max. 1920x1200 resolution  
 Analog VGA extension (opt.)  
 Automatic Plug and Play installation  
 Transparent USB 2.0 extension  
 Digital sound in both directions (opt.)  
 High reliability and rugged design  
 19" rack mountable

DVI extension without loss of quality  
 Local and remote monitor  
 For fibre duplex cable Multimode with LC plug  
 Flash firmware – upgradable without cable  
 One CAT5/6/7 cable needful  
 Full HD Video performance  
 Ultra compact: up to 4 channels in a 19" 1U

The **Single Smartline KVM Extender RMX1-F** is optimized for all signals such as DVI, and USB. The transmission distance of 500m is completely lossless. USB.

The transparent USB 2.0 interface supports keyboard, mouse, tablets and touch screens, sound modules, printer, smartcard readers, serial adapters and more. Memory Stick / Harddisk support available by switchable USB Memory option. Audio and Analog transmission is possible via option.

If required, a singlemode SFP Module can be used for a distance up to 20km.

### TECHNICAL SPECIFICATION

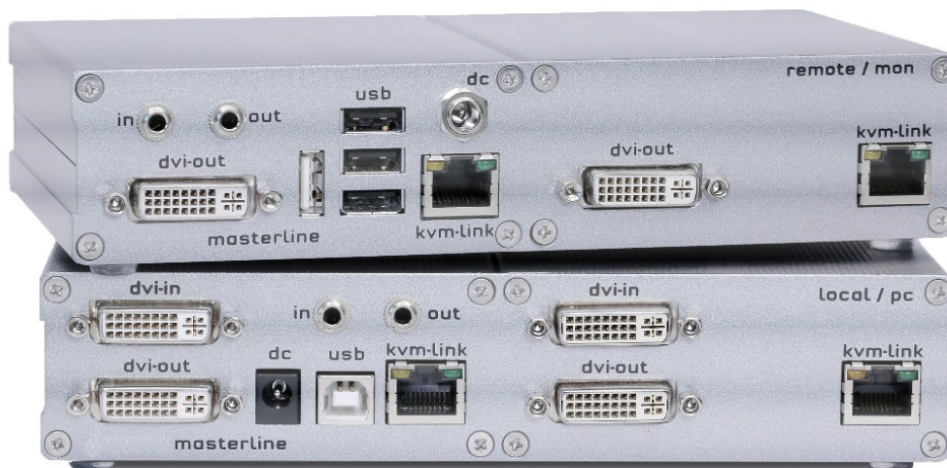
Dimensions:	97 x 40 x 104mm
Weight:	540g per set
Power input:	6W per device
Ambient temperature:	0 bis 45° C
Material:	Anodized aluminium
Power Supply:	12V 1A external power supply
Transmission:	Multimode duplex LC

### DELIVERY INCLUDING

1 x RMX1-F / PC	4 x Mounting pads
1 x RMX1-F / Monitor	1 x USB/Audio cable (opt.)
2 x Power Supplies	1 x VGA/DVI cable (opt.)
1 x DVI cable	
1 x USB cable	
4 x Rubber feet	



## The Extender that can do it all DVI / VGA USB2.0 KVM - Extender Matrix Switching Option



- ➔ 150m distance at max 1920x1200 resolution
- ➔ Automatic Plug and Play Installation
- ➔ Transparent USB 2.0 extension
- ➔ Full HD Video performance
- ➔ DVI extension without loss of quality
- ➔ Ultra compact up to 4 Extender in a 19"1HE
- ➔ 24 V capable
- OPTION** – pre-installed or unlockable by code
- ➔ USB Memory
- ➔ Matrix Switching
- ➔ Two CAT5/6/7 cable for USB and Video
- ➔ Local and remote monitor
- ➔ Flash Firmware - upgradable without cable
- ➔ High reliability and rugged design
- ➔ 19"rack mountable
- ➔ Screw-locked DVI jack
- ➔ Analogue VGA –converted to DVI
- ➔ RS232
- ➔ Sound analogue in CD quality

The **Masterline KVM - Extender RMX2** : optimised for all signals such as DVI and USB. The transmission distance of 150 m is completely lossless. The transparent USB 2.0 interface supports keyboard, mouse, sound modules, printers, smartcard readers, serial adapters and more. Memory stick and hard disk support is available with the USB Memory Option which may be unlocked after deployment by purchasing a license code. The USB Memory Option can be enabled and disabled for security purposes. **Manufacturer guarantee of 2 years – 5 years extended guarantee available** (Handling costs per KVM Extender set)

### TECHNICAL SPECIFICATION

Dimensions:	194 x 40 x 104mm
Weight:	1080g pro Set
Power input:	12W per device
Ambient temperature:	0 to 45° C
Material:	Anodized Aluminium
Power supply:	12V 1A external power supply

### DELIVERY INCLUDING

1 RMX2 / PC	1 x USB/Audio cable (opt.)
1 RMX2 / MONITOR	1 x VGA/DVI cable (opt.)
2 x Power supply	
2 x DVI cable	
1 x USB cable	
4 x Rubber feet	

**The Extender with built in power  
over huge distances**

**DVI / VGA USB2.0 KVM - Extender Fibre / 500m / 20km / 80km  
Matrix Switching Option**



- ➔ 500m distance at max 1920x1200 resolution
- ➔ Automatic Plug and Play Installation
- ➔ Transparent USB 2.0 extension
- ➔ Full HD Video performance
- ➔ DVI extension without loss of quality
- ➔ Ultra compact up to 2Extender in a 19"1HE
- ➔ 24 V capable
- OPTIONEN** – pre-installed or unlockable by code
- ➔ USB Memory Option
- ➔ Matrix Switching
- ➔ Two Duplex Fibre cable for USB and Video
- ➔ Local and remote monitor
- ➔ Flash Firmware - upgradable without cable
- ➔ High reliability and rugged design
- ➔ 19"rack mountable
- ➔ Screw-locked DVI jack
- ➔ Analogue VGA –converted to DVI
- ➔ RS232
- ➔ Sound analogue in CD quality

#### **SPECIAL VARINANT**

- ➔ Single Mode SFP module up to 20km
- ➔ Single Mode SFP module up to 80km
- ➔ Matrix Switching

The **PROFILINE KVM - Extender ROX2-Fibre** is optimised for all signals such as DVI and USB. The transmission distance of 500 m is completely lossless. The transparent USB 2.0 interface supports keyboard, mouse, sound modules, printers, smartcard readers, serial adapters and more. Memory stick and hard disk support is available with the USB Memory Option which may unlocked after deployment by purchasing a license code. The USB Memory Option can be enabled and disabled for security purposes. **Manufacturer guarantee of 2 years – 5 years extended guarantee available** (Handling costs per KVM Extender set)

#### **TECHNICAL SPECIFICATION**

Dimensions	220 x 45 x 130mm
Weight	1547 g per set
Power input:	12W per device
Ambient temperature	0 to 45° C
Material	Anodized aluminium
Power supply	internal 100-240V
Fibre model:	Class 1 Laser Product 1 according to DIN 40008/EN and VDE 0837

#### **DELIVERY INCLUDING**

1 x ROX2/ PC SFP M odul -Multimode
1 x ROX2 / Monitor
2 x Power Supplies
2 x DVI cable
1 x USB cable
8 x Rubber feet

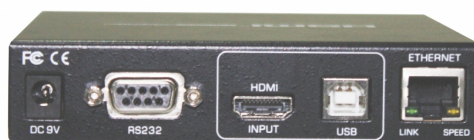
## **HDMI KVM EXTENDER OVER LAN 100M EXTENSION AUDIO, Mic, Hub & RS232**

**2 x USB 2.0 PORTS FOR KEYBOARD, MOUSE  
2 x USB 2.0 TRANSPARENT FOR OTHER DEVICES  
SUPPORT MATRIX / VIDEOWall SYSTEMS UP TO 16x16**

**HIGH QUALITY DIGITAL VIDEO SUPPORT UP TO 1920x1200 @60Hz**



RX Back – RXW Back



TX Back



RX Front – RXW Front



TX Front

The HDMI KVM Extender Over LAN comprises two distinct Units, the Transmitter and Receiver Unit. It allows fully access and complete control of your computing resources over the UTP cable. They are LAN based KVM Extender systems that allow access to a computer system from a remote console anywhere on your existing network infrastructure.

The HDMI KVM Extender offers the extension of keyboard, mouse, video, Mic., and USB equipment, use two Cat5e cable transmission, up to 100M away from your local PC.

The KVM Extender can support a dual head digital video with each resolution up to 1920 x 1200 @60Hz over 100M of Cat5e cable, while still keeping a satisfying video quality at the same time. Furthermore, the HDMI KVM Extenders support Graphic Mode / Video Mode selection to suit your display requirements. Graphic mode is optimized for still graphic displays; while video mode is best for a dynamically changing video stream.



## FEATURES MATRIX AND VIDEO WALL KIT:

### Advanced Audio-Visual Matrix System

Need to expand beyond a simple extender set, in combination, RI-H100 series can be an advanced AV Matrix Switch. With a 256 x 256 based structure, it will definitely be hard to outgrow. You cannot easily find another simple system that can handle the advanced structure of Mass Entertainment infrastructure. You cannot get better than that in flexibility.

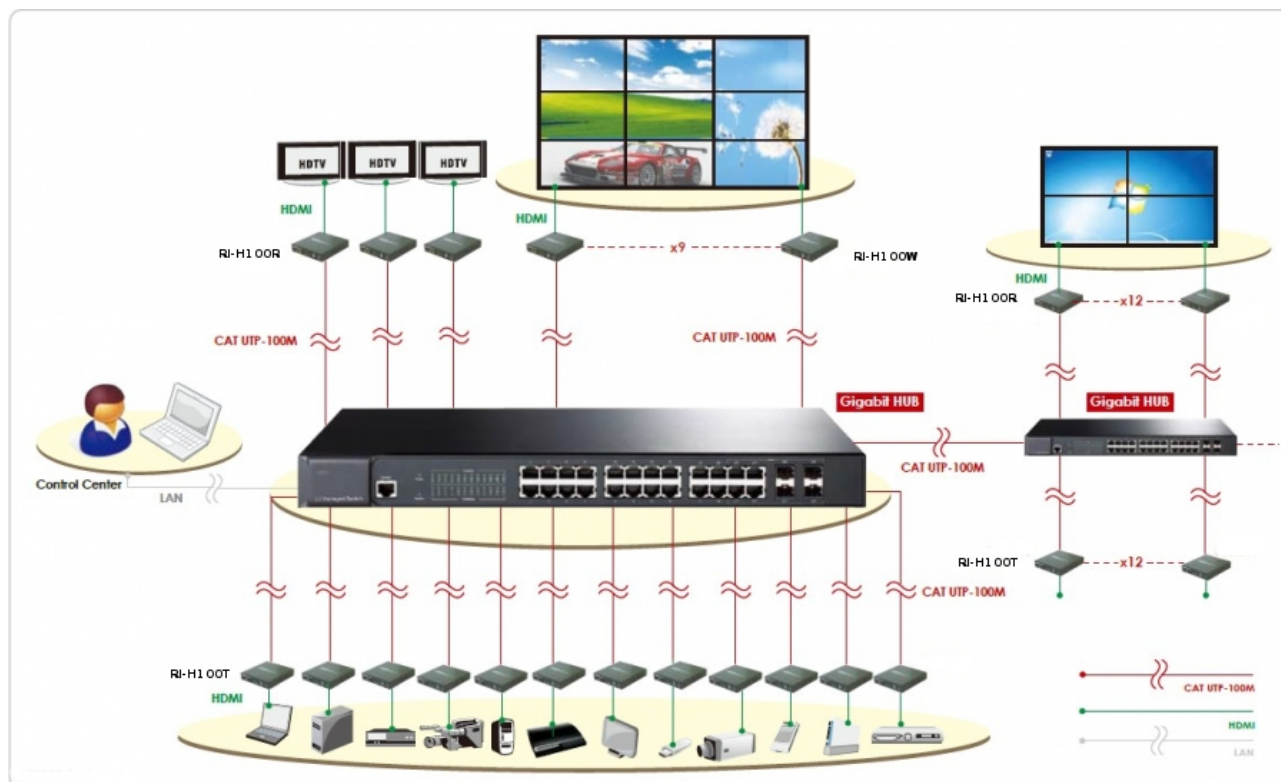
### Flexible Video Wall Display Option (RI-H100W) = not include in this kit

Want to have a giant video wall with control to each individual monitor, RI-H100 series can give you a 8 monitors high and 8 monitors wide video wall. You can set it to be 64 individual monitors each with its own content or single large motion image with crisp details. You can dynamic change the how you you want to group the display and the image present by that group of display. You cannot get better than that in control.

### Compliant to HDMI 1.3 CEC Specification

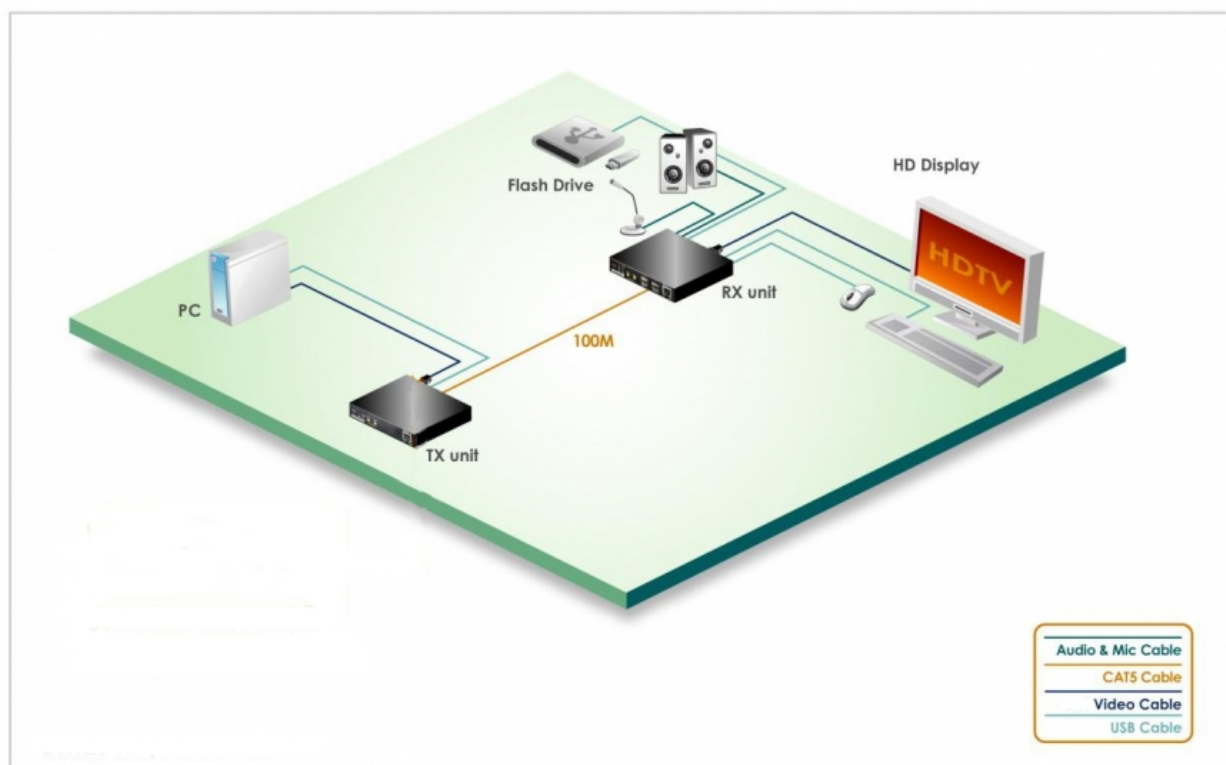
Too many remote controllers and getting confuse, RI-H100 is HDMI 1.3 Compliant that can use the same single remote for the Television display, Blue-ray DVD player, and the advance game console.

No tracking where all the remotes are at, no confusion as which remote is this for, and no endless purchase of batteries for too many remotes. You cannot get better than that in ease of use.



**FEATURES STANDALONE KIT:**

- Extension distance up to 100M/ 330ft. over two Cat5e UTP cable segment.
- Extending another 100M by adding the Gigabit Ethernet Switch through Cat5e cable between Transmitter and Receiver Units.
- 4 x USB 2.0 Ports with USB extension over LAN for keyboard, mouse and other devices.
- Support Audio, Mic., extension over LAN
- Each Digital Video resolution can support up to 1920 x 1200 up to 100M
- Graphic Mode and Video Mode for selection
- Fully compatible with USB HID device for any keyboard, mouse and USB devices
- Supports multiplatform OS such as Windows /2000/XP/Vista/7/Windows 8 and Linux
- Easy Plug-and-Play application, no configuration required
- Optional IR remote control Unit accessories available



**SPECIFICATIONS:**

Model No.	RI-H100T	RI-H100R / RI-H100RW
Component Units	1 x RI-H100T (Transmitter Unit)	1 x RI-H100R/RW (Receiver Unit)
PC Connections	1	No
Connectors	1 x HDMI Female 1 x Remote Out Jack 1 x USB Port (Type B) 1 x Mic. Jack 1 x Speaker Jack 1 x RJ45	1 x HDMI Female 1 x Remote In Jack 4 x USB Port (Type A) 1 x Mic. In Jack 1 x Speaker Out Jack 1 x RJ45
LEDs	1 x Video (Red), 1 x Link (Green)	
Switch Button	2 x Momentary Switch 1 x 3 Position Dip Switch	
DVI Video Resolution	1920 x 1200@60Hz – 100M/ 330ft.	
Operation Temperature	0 ~ 40 °C	
Storage Temperature	-20 ~ 60 °C	
Humidity	0~90% RH, Non-condensing	
Weight	480g	490g
Dimension (L x W x H)	139 x 119 x 25 mm	
Housing	Metal enclosure	
Power Adapter	DC 9V	
Safety / Emission	FCC, CE	

**ORDERING INFORMATION:**

**RI-H100T** HDMI KVM Extender over LAN w/ Audio, Mic, Hub - Transmitter Unit –100M

**RI-H100R/RW** HDMI KVM Extender over LAN w/ Audio, Mic, Hub, – Receiver Unit / Receiver VideoWall Unit – 100M

**RI-2176** IR Receiver

**RI-2177** IR Emitter

## HDMI USB 2.0 KVM Extender



130m distance at max. 1920x1200 resolution  
Automatic Plug and Play installation  
Transparent USB 2.0 extension  
Full HD video performance  
Sound and RS232 via external USB adapters  
High reliability and rugged design  
Unbeatable price

DVI extension without loss of quality  
Local and remote monitor  
Compatible with all CAT5/6/7 cables  
Flash firmware – upgradable without cable  
USB Keyboard / Mouse / Touch Screen  
19" rack mountable  
Ultra compact: up to 4 channels in a 19" 1U

The **Single Smartline KVM Extender RSX1** is optimized for state of the art signals such as DVI and USB. The transmission distance of 130m is completely lossless. USB.

The transparent USB 2.0 interface supports keyboard, mouse, tablets and touch screens, sound modules, printer, smartcard readers, serial adapters and more. Memory Stick / Harddisk support Available by switchable USB Memory option.

### TECHNICAL SPECIFICATION

Dimensions:	97 x 40 x 104mm
Weight:	540g per set
Power input:	5W per device
Ambient temperature:	0 bis 45° C
Material:	Anodized aluminium
Power Supply:	12V 1A External Power supply

### DELIVERY INCLUDING

1 x RSX1 / PC	8 x Mounting pads
1 x RSX1 / Monitor	1 x Brief instruction
2 x Power supplies	
2 x DVI-HDMI cable	
1 x USB cable	
8 x Rubber feet	

## HDMI Over CAT5/6 Extender Distribution System- 100M

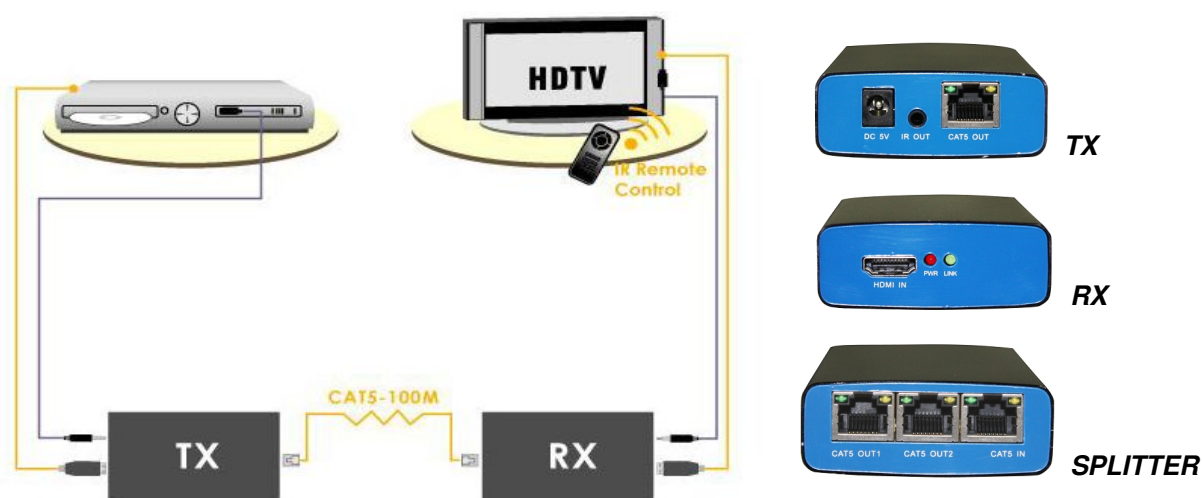
The HDMI over CAT5 KVM Extender actually comprises two disparate units - The RI-E100T and the RI-E100R.

The RI-E100T is the transmitter unit; while the RI-E100R is the receiver unit.

They work in pair to extend your HDMI video and audio signal up to 100M via one single CAT5 cable, or they can also connect via a Splitter, RI-E100S, in between.

The splitter supports one CAT5-In, two CAT5-Out ports, and a HDMI display as well. Through tree-chain of multiple splitters, this system can flexibly support up to 96 HDMI monitor displays.

Its digital resolution can be up to 1920 x 1080p, which provides users with HD high quality multimedia display.



RI-E100T / RI-E100R

### Features:

- HDMI over CAT5 Extender set (a Transmitter, a Receiver, and a Splitter) supporting extension distance up to 100M over a single CAT5E/ CAT6 cable segment
- Use a single CAT5E/ CAT6 cable for direct connection between the Transmitter and Receiver units, or can connect via a Splitter in between
- Splitter can support one CAT5 In and two CAT5 Out, and one HDMI display as well
- Support Audio via HDMI interface
- Digital resolution support up to 1920 x 1080P @60fps
- Support up to 96 monitor displays
- Automatic display mode detection
- Support both Interlaced and Progressive Display Mode
- Support DDC, Hot-Plug Detection (HPD), HDCP functions
- Support default EDID and selected EDID Mode (by pressing EDID Read Button to get and DDC from Receiver)
- Optional IR remote control accessories available



**Specifications:**

Model No.	RI-E100T Transmitter Unit	RI-E100R Receiver Unit	RI-E100S Splitter Unit
Connectors	1 x HDMI IN female (Connect to HDMI source) 1 x IR-OUT (for remote IR control) 1 x CAT5 OUT (connect to Receiver or Splitter) 1 x DC 5V power receptacle	1 x HDMI OUT female (Connect to HDMI monitor) 1 x IR-IN (for remote IR control) 1 x CAT5 IN (connect to Transmitter or Splitter) 1 x DC 5V power receptacle	1 x HDMI OUT female (Connect to HDMI monitor) 1 x IR-IN (for remote IR control) 1 x CAT5 IN (connect to Transmitter or Splitter) 2 x CAT5 OUT (connect to Receiver or Splitter) 1 x DC 5V power receptacle
LEDs	1 x Power (Green) 1 x Link (Red)		
EDID Read Button	-	Yes	
IR support	Yes		
Digital Resolution	1920 x 1080P		
Extension Distance	Up to 100M		
Operation Temperature	0 ~ 40°C		
Storage Temperature	- 20 ~ 60°C		
Humidity	0~90% RH, non-condensing		
Housing	Aluminum Alloy 65x27x114mm (WxHxD)		
Power Adapter	DC 5V 2A		
Safety/ Emission	FCC, CE		

**Ordering Information:**

RI-E100T HDMI Over CAT5 Extender/ Transmitter- 100M

RI-E100R HDMI Over CAT5 Extender/ Receiver- 100M

RI-E100S HDMI Over CAT5 Extender/ Splitter- 100M



Extender USB 2.0/1.1 via cavo Lan Cat.5e,

Distanza max 60m.

Trasmettitore (USB Type A maschio/RJ45 port)

Ricevitore (USB Type A femmina/RJ45 port)

### **Descrizione:**

**Questo USB extender consente l'estensione di una porta USB fino alla distanza massima di 60m (senza HUB) sfruttando un cavo di rete Ethernet Cat.5,Cat.5e e Cat.6. Sia UTP, FTP che SFTP (SSTP).**

### **Ideale per connessioni PC-USB il Kit è composto da:**

N. 1 Trasmettitore esterno USB a RJ45 con un cavo USB da 20cm integrato.

N. 1 Ricevitore esterno dotato di una porta USB A femmina, una porta RJ45 femmina e connettore per alimentatore esterno 5 Vdc (Opzionale)

### **Caratteristiche:**

- Compatibile USB 1.1
- Supporta tutte le periferiche USB come Scanner, Stampanti, Box, ecc
- Alimentazione via USB Bus.
- Alimentatore opzionale 5V/2A DC non incluso
- Supporta cavi Cat.5, Cat.5e e Cat.6. sia UTP, FTP che SFTP (SSTP)

# Rack Mounting Kit

For KVM - Extender Serie RSX1/2-RMX1/2 ROX2



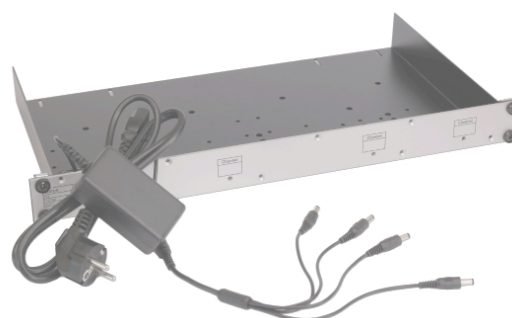
RK



RKFN



RKFN (Back)



RKFN (Front)

The 19" Rack Shelf is for assembling Extenders. It has a universal hole pattern, which also enables a mounting of non 48.3 cm (19")-devices. Sturdy steel sheet construction with stress-resistant black powder coating, guaranteed high quality equipment.

## TECHNICAL SPECIFICATION

Depth: 250mm  
 Dimensions: 440 x 248 x 44,5mm  
 Rack storage: 19"  
 Height: 1HE = 44,5mm  
 Material: 2mm steel, powder coated

## DELIVERY INCLUDING

1 x Rack shelf  
 4 x Cage nuts

## USED FOR

4 x. RSX1, RMX1  
 2 x. ROX2

# Rack Mounting Kit

For KVM-extender series RSX / RMX  
RK-FR (Faceplate + redundant power supply)



The rack mounting kit RK-FR is used to mount Rose Smartline RSX and Masterline RMX extenders.

It is equipped with rack shelf, faceplate and 2 power supply units, which are summarized in a redundancy module. This ensures maximum reliability and a professional installation in a control cabinet.

## TECHNICAL SPECIFICATION

Depth: 250mm  
Dimensions: 440 x 248 x 44,5mm  
Rack storage: 19"  
Height: 1RU = 44,5mm  
Material: 2mm steel, powder coated  
Input voltage: 100-240V  
Output voltage: 12V  
Current: 3A  
Power: 36 Watt  
Certification: FCC, CE, GS, cUL

## DELIVERY INCLUDING

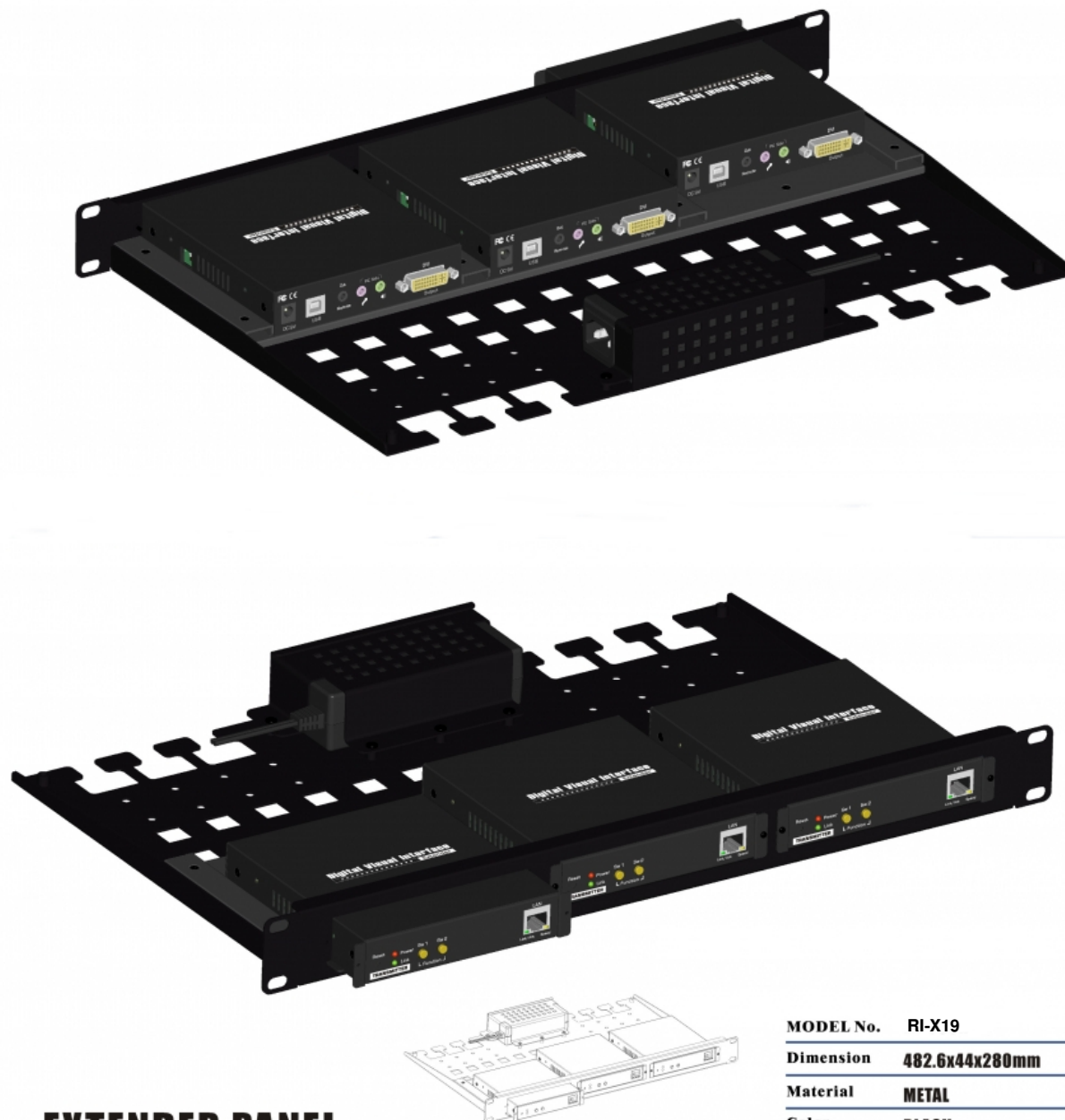
1 x Rack shelf  
4 x Cage nuts  
1 x Aluminium faceplate  
1 x Redundancy module  
2 x Power cable

## USED FOR

4 x RSX1 / RMX1 (-F)  
2 x RSX2 / RMX2 (-F)

## Rack mounting kit 19" up to 3 modules in 1U

Support: RI-V100 / RI-V300 / RI-X50 / RI-X100 / RI-H100 Transmitter - Receiver units.

**EXTENDER PANEL**

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<b>MODEL No.</b>	<b>RI-X19</b>
<b>Dimension</b>	<b>482.6x44x280mm</b>
<b>Material</b>	<b>METAL</b>
<b>Color</b>	<b>BLACK</b>

**KVM LINK EXTENDER WITH VIRTUAL DRIVE**

The RI-K100-v2 is the next generation for our IP-based KVM Link Extender for remote server management. It allows any virtual management of server or KVM over the Internet. In addition to secured access, we have added virtualization of ISO file which allow accessing of remote drive to the manage server.

The next generation of RI-K, not only provide a solid, reliable, physical and unlimited distance extension keyboard, mouse, and video, it support video of both analog and digital. The digital DVI video provides a solid interface that is highly resistant to electrical emission noise and the DVI-I can be used as VGA by using a DVI to VGA adapter.

RI-K100-v2 provide more complete support with USB interface, power control, and the added feature of hearing the system audio feedback. Your virtualization is not limited to just keyboard, mouse, and monitor but you can recycle the power and hear all the audio notification and alert as if you were at the site of the server or KVM.

**FEATURES:**

- DVI/VGA video interface over Internet
- Keyboard and mouse extension over the Internet
- Virtual media/ISO.
- Audio and power management interface
- 2-Port Ethernet Hub
- High video resolution 1920 x 1200
- Max Distance 100m
- Supports multiplatform OS such as Windows /2000/XP/Vista/7/Windows 8 and Java based viewer

**SPECIFICATIONS**

Model No.	RI-K100-v2
Server/KVM Connectors	1 x DVI-I Female, 1 x USB Type B Female, 1 x 3.5mm Earphone Jack
Local Console Connectors	2 x USB Type A Female, 1 x DVI-I Female, 1 x 3.5mm Earphone Jack
Ethernet Connectors	2 x RJ45 Female, 10/100 Base-T with auto-sensing
Power Management Connectors	RJ-12 Female (115.2k bps only)
LEDs	1 x Power (Red), 1 x Video (Green)
Video Resolution	1920 x 1200
Operation Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 60°C
Humidity	0~90% RH, Non-condensing
Weight	480g
Dimension (L x W x H)	120 x 135 x 25 mm
Housing	Metal enclosure
Power Adapter	DC 5V
Safety / Emission	FCC, CE

**Ordering Information**

RI-K100-v2 Kvm Link Extender with Virtual Drive

KAB-2051 USB CABLE

KAB-2035 DVI Cable

KAB-5095 DVI-A to VGA Adapter





## IP REMOTE CONTROLLER

The RI-KmIP is a single port, DVI KVM-over-IP switch that provides the secure BIOS level IP access and control of a full-featured KVM-over-IP switch in an inexpensive, portable, non-blocking, compact-size package.

It's perfect for server room, branch offices, development and test labs, and non-traditional environments like: Retail/point-of-sale displays, signage and kiosks; or temporary applications for conventions, construction, medical, and military applications.

Front



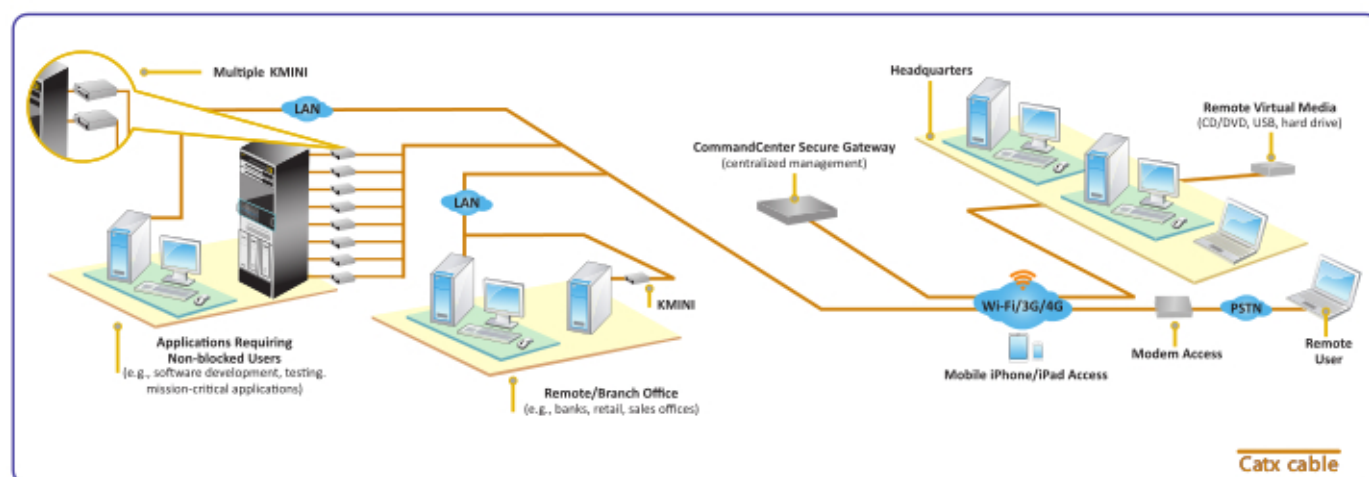
Rear



## FEATURES

- Decentralized non-blocking IP KVM
- WiFi & Ethernet 10/100 Connections
- Java, windows and Android Viewers support
- Digital & Analog video input support
- Ultra high video resolution support up to 2048x1152
- Virtual media over IP Disk/ISO format support

## CONNECTION DIAGRAM





## HD VIDEO WALL CONTROLLER



RIH114, HD Video Wall Controller is the easiest video wall system using an HDMI source. It dynamically scales and outputs the HDMI source on to 4 HDTV displays with bezel adjustment. This system can also function as a four port video broadcast system, displaying the same audio - visual on 4 screens. Switching is seamless so it does not have delays or black screen. It is the ideal solution for Digital Signage/ Advertising, A/ V Splitting, or Broadcasting.

### ■ A/ V Splitter or Video Wall

Flexible usage allow for quick change of function to match your need.

.....

### ■ Horizontal or Vertical Alignment

Wanted to change from landscape view to full size adult portrait view is easy as pushing a button.

.....

### ■ Multiple Method of Operating

Operates intuitively by front panel Push Buttons, OSD, IR Remote, RS232 Extension, and keyboard/ mouse. Using keyboard and mouse allows for easier dynamic positioning of the video source on screen.

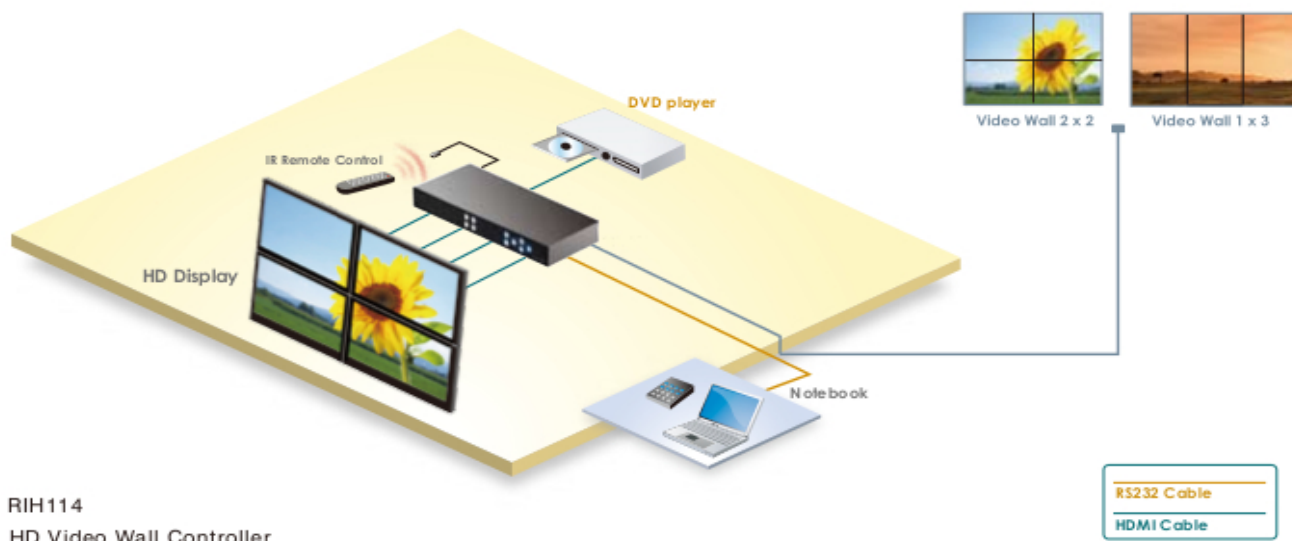
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### ■ Features

- Single HDMI source to 2 x 2 Video Wall or 4-Port HDMI Splitter
- Intuitive operation by front panel Push Buttons, OSD, RS232 Extension, IR Remote Control, or Keyboard/ Mouse
- Full HD Digital Video resolution can support up to 1080p to give a combine total of 4K x 2K video resolution
- Support Locking HDMI cables
- 2 x 2 Hardware bezel correction, support H and V Bezel



## RIH114 Product Configuration



## RIH114

Front Panel Overview



Back Panel Overview



## Specifications

Model No.	RIH114
Video In	1 x HDMI Type A Female (Lockable)
Video Out	4 x HDMI Type A Female (Lockable)
RS232	1 x DB9, Female
IR	1 x Receiver and 1 x IR Extender (3.5mm Earphone Jack)
USB Port	2 x USB Type A
LEDs	10 switch
Switch / Button	10 x Tact Switch + 1 x 2 Position Power Switch
Video Resolution	Full HD
Operation Temperature	0 ° ~ 40 °C
Storage Temperature	-20 ° ~ 60 °C
Humidity	0~90% RH, Non-condensing
Weight	2.1 Kg
Dimension (L x W x H)	438 x 200 x 44 mm
Housing	Metal enclosure
Power Adapter	DC 12V
Safety / Emission	FCC, CE

## 4-PORT QUADVIEW HDMI SWITCH



RIH141, 4-Port Quadview HDMI Switch allows you to simultaneously monitor up to four HD HDMI multimedia sources on a single HDTV system. You can dynamically arrange four HDMI multimedia sources (scaling and positioning) and amlessly exhibit them in various mode. Switching between various sources and modes do not have delays or black screen. It is the ideal solution for A/V Switching, Broadcasting, or Venue status tracking.

### Multiple Video Modes

Video mode selection includes 4-Pane, Picture-in-Picture, Picture-and-Picture, and Ad-hoc Window. These modes can be seamlessly changed for better surveillance viewing and verification without black screen.

### Multiple Method of Operating

Operates intuitively by front panel Push Buttons, OSD, IR Remote, RS232 Extension, and keyboard/ mouse. Using keyboard and mouse allows for the any size and any position dynamic placement of each video source on screen.

### Multiple Programmable Memories

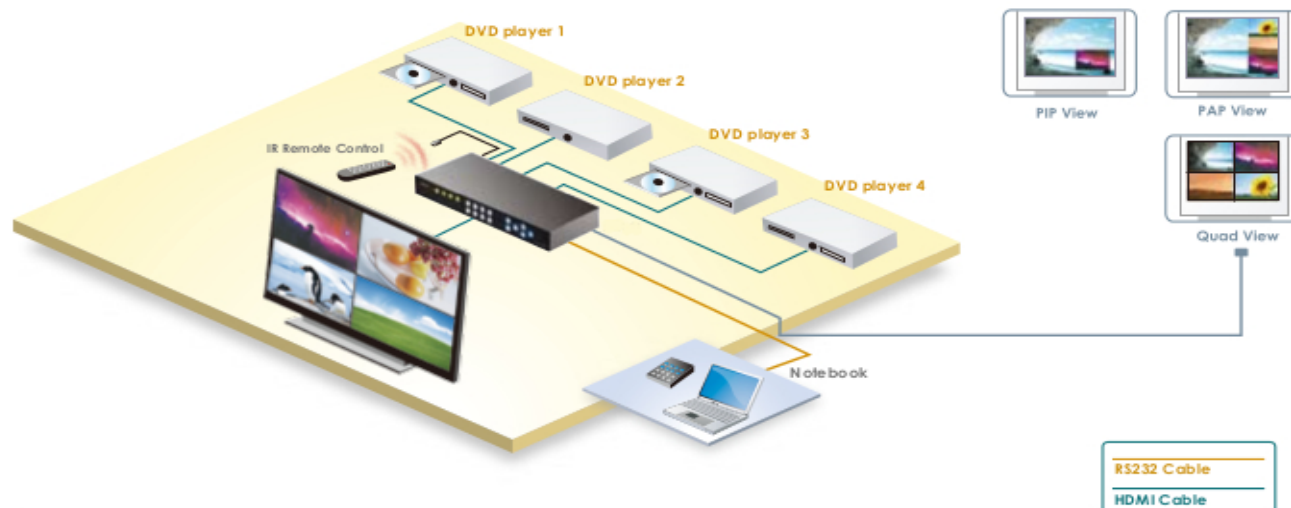
Save and recall up to four personalize settings to match your particular scenario need in additional to the already variety of default settings.

### Features

- 4 Video Mode selection with 4 Video Configuration programmable memory
- Select any of the 4 input to be dynamically and smoothly scale onto and up to the monitor
- Intuitive operation by front panel Push Buttons, OSD, RS232 Extension, IR Remote Control, or Keyboard/ Mouse
- Full HD Digital Video resolution can support up to 1080p
- Support Locking HDMI cables



## RIH141 Product Configuration



## RIH141 Product Overview

Front Panel Overview



Back Panel Overview



## Specifications

Model No.	RIH141
Video In	4 x HDMI Type A Female (Lockable)
Video Out	1 x HDMI Type A Female (Lockable)
RS232	1 x DB9, Female
IR	1 x Receiver and 1 x IR Extender (3.5mm Earphone Jack)
USB Port	2 x USB Type A
LEDs	4 fixed + 16 switch
Switch / Button	16 x Momentary Switch 1 x 2 Position Power Switch
Video Resolution	Full HD
Operation Temperature	0 ° ~ 40 °C
Storage Temperature	-20 ° ~ 60 °C
Humidity	0~90% RH, Non-condensing
Weight	2.1 Kg
Dimension (L x W x H)	438 x 200 x 44 mm
Housing	Metal enclosure
Power Adapter	DC 12V
Safety / Emission	FCC, CE

## 4 x 4 SMART HDMI A/V PROCESSOR



RIH144, 4 x 4 Smart HDMI A/V Processor is the only complete independent HDMI system that arrange four HDMI multimedia sources and dynamically exhibit them on 4 displays in various mode. Each source can be independently scale. Switching do not have delays or black screen. It is the ideal solution for A/V Switching, Splitting, or Broadcasting.

### ■ Enhanced Matrix

Route any HDMI multimedia source and combine them to multiple displays. Scale any input source to a portion or all the displays. It's a perfect system for broadcasting multimedia content.

### ■ Enhanced Video Wall

Expand High Definition resolution to lossless 4K x 2K. Perfect for reaching beyond a single monitor

### ■ Enhanced Quadview

Video mode selection includes 4-Pane, Picture-in-Picture, and Picture-and-Picture. These modes can be dynamically changed for better surveillance viewing and verification

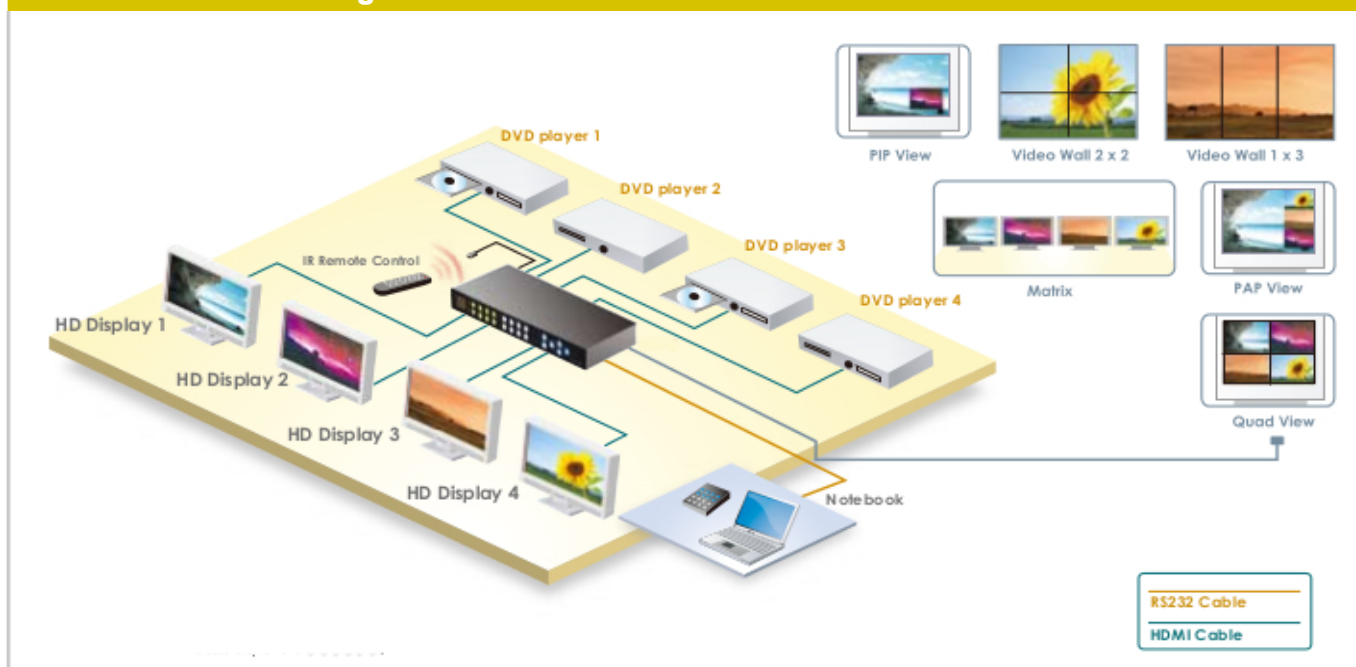
### ■ Features

- 6 Video Mode selection with 8 Video Configuration programmable memory and smoothly scale onto and up to 4 monitors
- Select any of the 4 input to be dynamically
- Intuitive mode operation by front panel Push Buttons, OSD, or IR Remote Control
- Full HD Digital Video resolution can support up to 1920 x 1200 to give a combine total of 4K x 2K video resolution
- Support Locking HDMI cables





## RIH144 Product Configuration



## RIH144 Product Overview

Front Panel Overview



Back Panel Overview



## Specifications

Model No.	RIH144
Video In	4 x HDMI Type A Female (Lockable)
Video Out	4 x HDMI Type A Female (Lockable)
RS232	1 x DB9, Female
IR	1 x Receiver and 1 x IR Extender (3.5mm Earphone Jack)
USB Port	2 x USB Type A
LEDs	16 fixed + 22 switch
Switch / Button	24 x Momentary Switch / 1 x 2 Position Power Switch
Video Resolution	Full HD or 1920 x 1200 per Screen
Operation Temperature	0 ° ~ 40 °C
Storage Temperature	- 20 ° ~ 60 °C
Humidity	0~90% RH, Non-condensing
Weight	2.2 Kg
Dimension (L x W x H)	438 x 200 x 44 mm
Housing	Metal enclosure
Power Adapter	DC 12V
Safety / Emission	FCC, CE



### RIVM108 1U 8 Port KVM SWITCH

#### Features:

- 1U design for any standard 19" Rack
- Front panel out of brushed Aluminium or Black 9005
- Multi-Bank able / control up to 256 Computers from only one Console
- Resolution up to 1920x1440 for high Videoquality

#### Technical Specification:

	RIVM108	RIVM116
Computer connection:	8	16
Daisy-Chain:	128 (with 16 modules)	256 (with 16 modules)
Port selection:	OSD / Hot Key / Push Buttons	
Connectors on the backside	8xDB-15 (PS/2 / USB + VGA) for PC 1xVGA and 2xPS/2 for Console	16xDB-15 (PS/2 / USB + VGA) for PC 1xVGA and 2xPS/2 for Console
Resolution:	max. 1920x1440	
Flash upgrade port:	FirmwareUpdate Via Mini DIN 6 Pin Mouse Port	
Available Cable length PS/2:	1,8m / 3,0m / 5,0m	
Available Cable length USB:	1,8m / 3,0m / 5,0m	
Power Supply:	DC 9V, 600mA	
Support:	Standard PS/2 / USB Connectors for PC	



RIVM108



RIVM116

**ROSE-ELECTRONICS ITALIA**
**P/N: RI832A**


### Features :

- N. 2-port DVI USB KVM switch with audio and microphone switching and 2 x USB 2.0 hub ports
- True Transparent USB (TTU) Emulation technology with an integrated ASIC
- Full driver support for all types of USB keyboard and mouse
- All time DDC emulation for video compatibility and stability under intensive switching
- TMDS and HDCP specifications complaint
- DVI Digital video resolution 1920 x 1200 / Analog video resolution 2048 x 1536
- Independent/Simultaneous PC / USB hub / Audio & Mic channel selection
- Support for Windows 98/SE/ME/2000/XP/Vista/7 and Linux, Mac OS and Netware.
- Switching computer/Hub port control by front-panel push buttons and keyboard hotkeys
- Low power consumption using ASIC

**AVAILABLE ALSO VERSION 4 PORT P/N: RI834A**





**Technical Specification:**

- **Product Description:** 2-Port DVI USB KVM Switch w/ Audio, Mic & Hub
- 
- **Number of Ports:** 2
- 
- **Console Keyboard Connector:** USB Type A Female
- 
- **Console Mouse Connector:** USB Type A Female
- 
- **Console Video Connector:** DVI-I Female
- 
- **Console Audio/Mic Connector:** 2 x 3.5mm Audio/Mic Jack Female
- 
- **Console USB Hub Ports:** 2 x USB 2.0 Type A Female
- 
- **PC Keyboard Connector:** 2 x USB Type B Female
- 
- **PC Mouse Connector:** Via PC Keyboard Connector
- 
- **PC Video Connector:** 2 x DVI-I Female
- 
- **PC Audio / Mic Connector:** 4 x 3.5mm Audio/Mic Jack Female
- 
- **PC selection:** Push Button / Hotkeys
- 
- **PC port LED:** 2 (Green)
- 
- **Hub port LED:** 2 (Red)
- 
- **Analog Display Resolution:** 2048 x 1536
- 
- **Digital Display Resolution:** 1920 x 1200
- 
- **Keyboard & Mouse Emulation:** Yes (TTU)
- 
- **Auto Scan Delay Time:** 5~100 sec
- 
- **Operation Temperature:** 0 ~ 40°C
- 
- **Storage Temperature / Humidity:** -20 ~ 60°C / 0~90% RH, Non-Condensing
- 
- **Power type:** 2.1mm Power Jack
- 
- **Power Adapter:** DC 9V
- 
- **Dimension(L×W×H) / Weight:** 138 x 91 x 45mm / 600g
- 
- **Safety / Emission:** FCC, CE

**Feature:**

- Source to End DVI-I video interface
- Unique DVI-I/ Audio/ Mic interface for multimedia needs
- Switching computer/ hub port control by front-panel push button and keyboard hotkeys
- Include rackmount kit for easy installation into server rack cabinet
- Active Sync Replication for all time DDC emulation

***Technical Specification:***

<b>Model No.</b>	<b>RID108D</b>
Product Description	8-Port Rackmountable DVI KVM Switch w/ Audio, Mic & Hub
Number of Ports	8
Number of Console	1
Console Keyboard Connector	USB Type A Female
Console Mouse Connector	USB Type A Female
Console Video Connector	DVI-I Female
Console Audio/Mic Connector	2 x 3.5 mm Audio / Mic Jack Female
Console USB Hub Ports	2 x USB Type A Female

PC Keyboard Connector	8 x USB Type B Female
PC Mouse Connector	Via PC Keyboard Connector
PC Video Connector	8 x DVI-I Female
PC Audio / Mic Connector	32 x 3.5 mm Audio / Mic Jack
PC Selection	Push Buttons / Hotkeys
PC Port LED	8 (Green)
Analog Display Resolution	2048 x 1536
Digital Display Resolution	1920 x 1200
Keyboard & Mouse Emulation	Yes
Operation Temperature	0 ~ 40 °C
Storage Temperature	-20 ~ 60 °C
Humidity	0 ~ 90 % RH, Non-condensing
Power Adapter	DC 9V
Weight	2.4 kg
Dimension (LxWxH)	406 x 100 x 40 mm
Safety / Emission	FCC, CE

**Feature:**

- Source to End DVI-I video interface
- Unique DVI-I/ Audio/ Mic interface for multimedia needs
- Switching computer/ hub port control by front-panel push button and keyboard hotkeys
- Include rackmount kit for easy installation into server rack cabinet
- Active Sync Replication for all time DDC emulation

***Technical Specification:***

<b>Model No.</b>	<b>RID116D</b>
Product Description	16-Port Rackmountable DVI KVM Switch w/ Audio, Mic & Hub
Number of Ports	16
Number of Console	1
Console Keyboard Connector	USB Type A Female
Console Mouse Connector	USB Type A Female
Console Video Connector	DVI-I Female
Console Audio/Mic Connector	2 x 3.5 mm Audio / Mic Jack Female
Console USB Hub Ports	2 x USB Type A Female

PC Keyboard Connector	16 x USB Type B Female
PC Mouse Connector	Via PC Keyboard Connector
PC Video Connector	16 x DVI-I Female
PC Audio / Mic Connector	32 x 3.5 mm Audio / Mic Jack
PC Selection	Push Buttons / Hotkeys
PC Port LED	16 (Green)
Analog Display Resolution	2048 x 1536
Digital Display Resolution	1920 x 1200
Keyboard & Mouse Emulation	Yes
Operation Temperature	0 ~ 40 °C
Storage Temperature	-20 ~ 60 °C
Humidity	0 ~ 90 % RH, Non-condensing
Power Adapter	DC 9V
Weight	2.4 kg
Dimension (LxWxH)	406 x 100 x 80 mm
Safety / Emission	FCC, CE

**ROSE-ELECTRONICS ITALIA**

# **NEWS**

**KVM OPTION**

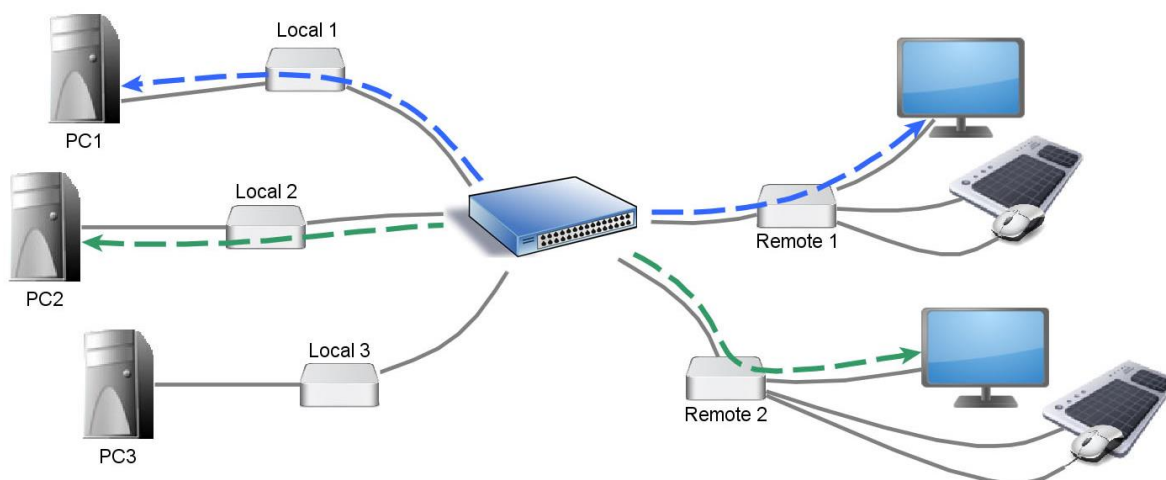
**KVM HDMI-DVI-4K**

**PDU ELITE**

# Switching Option

The total connection

For KVM-extender series RSX / RMX / ROX



The switching option turns our RSX Smartline, RMX Masterline and ROX Profileline extenders into the perfect KVM matrix switch connected by a standard over-the-counter network switch.

- ➔ Multiple PCs can be controlled from a single workstation
- ➔ Multiple workstations can be connected with multiple PCs – max. 480 ports
- ➔ Dual- and multi-head support for up to 10 monitors
- ➔ Switch via the on-screen menu, hotkeys or over external interfaces such as RS232 or Ethernet
- ➔ Convenient password system and user-rights management for increased security
- ➔ Users can be put in groups
- ➔ Automatically switch to a backup PC if primary PC goes down (by configuration)
- ➔ Switching is instant
- ➔ Distributed intelligence across every endpoint
- ➔ Sharing mode
- ➔ Perfect video transmission with minimal latency
- ➔ Name identification – if connections are broken or reconnected to a different port, the system will stay correctly configured – making for straightforward installation
- ➔ A mixture of VGA and DVI video signals can be used
- ➔ Mix and match – a mixture of fibre and copper devices as well as different device types can be connected together
- ➔ One license per workstation is required
- ➔ Amazing value for money

**MATRIX SWITCH**

- ➔ This system can be used to put together a KVM matrix switch.
- ➔ A large number of computers can be connected to a large number of monitors/workstations, allowing the user to connect to a specific PC with the push of a button.
- ➔ The display contents is sent through without any delay and the PC can be controlled by the user with a mouse, keyboard, touchscreen or a wide range of USB devices.
- ➔ The switching system is very flexible in its configuration, and depending upon the application different user rights USERS, MASTER USER and ADMINs can be configured.

**MULTIHEAD**

- ➔ Multiple monitors can be grouped together so that computers with multi-head displays can switch together as a single unit.

**SHARING MODE**

- ➔ A sharing mode is also available – multiple users can view the same screen at once.
- ➔ The switching system is based upon a distributed system which means that every extender device has control over the entire switching system – from every PC you can bring up the on-screen display and make connections to PCs, disconnect PCs and give users and PCs names.
- ➔ You can switch between individual PCs each with their own configurable keyboard shortcut. The system can also be controlled externally. This requires either a spare port on the network switch or a serial port. The use of these ports allow for the status of the entire system to be monitored and managed.
- ➔ The switching system is compatible with the other extender options such as Sound, VGA, RS232, LVDS or any combination thereof.
- ➔ The matrix switching system has been designed so that it can be set up with very little training. Despite its simplicity it can be configured to use a user/password system to ensure security.
- ➔ If your computer setup includes a PC in reserve the extender can be set up to switch to it automatically if your primary PC goes down.



## MASTER VIEW MODE

- ➔ Connection Overview – from one workstation it is possible to connect other workstations to other computers.
- ➔ Whether or not one user can take control of a PC away from another, or if an administrator can take control of a specific PC in case of emergency, can be defined in the settings.

## USER PC BINDING

- ➔ A compatibility mode for replacing existing systems. Users can carry on having the same controls as they are used to.

## TECHNICAL SPECIFICATIONS

Max. no. ports:	480, e.g. 240 PCs and 240 workstations
Network setup:	For use with a dedicated network via a gigabit switch. Requires port-to-port bandwidth of 1 gigabit between every port. IGMP snooping.
Switching:	Via hotkey
Automatically connects:	With default PC after restart
PC names:	Max. 16 symbols long

## mouse glide&switch

**Multiple PCs can  
be operated from  
one workstation with  
just one mouse and  
one keyboard**

Mouse moves smoothly  
across the displays

For RMX and RUX Extender

Delay-free mouse operation

Automatic switching of mouse  
and keyboard from one PC to another

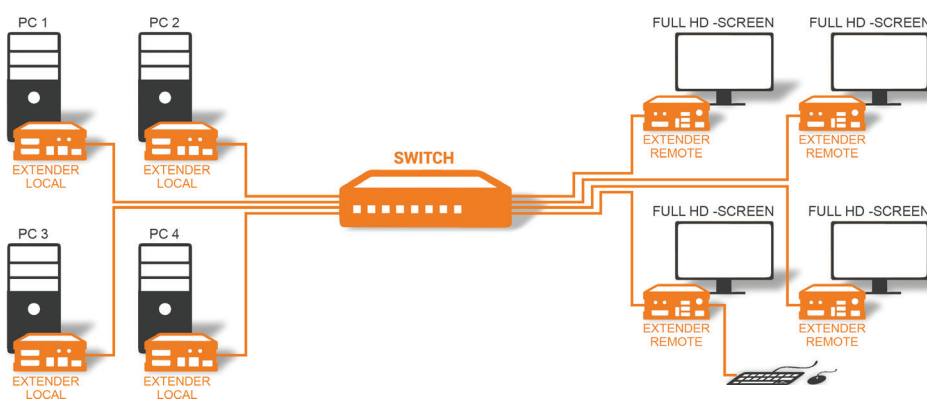
Free arrangement of monitors

### For RMX & 4K RUX

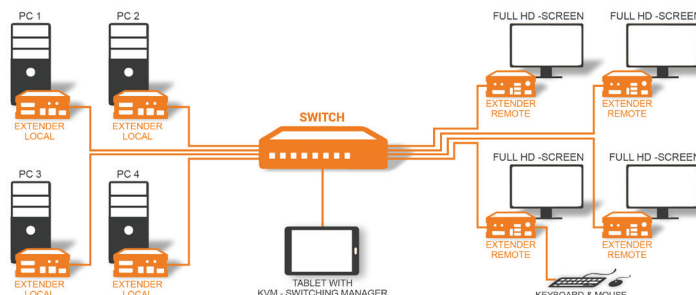
Mouse glide & switch for ergonomic and efficient working at the workplace. The simple dragging of the mouse from one monitor to the other, allows a very user-friendly and intuitive operation, which is comparable to a virtual desktop wall. Different sizes of monitors can be combined and arranged as desired. No switching with the hotkey is necessary and without additional hardware, the mouse and keyboard are automatically switched from one PC to the other. For better orientation, a mode can be activated which briefly shows a red frame when changing the PC. Mouse glide & switch is available for the 4K RUX-line Extender as stand alone solution.

Operation System independent - e.g Linux Windows

MOUSE GLIDE & SWITCH

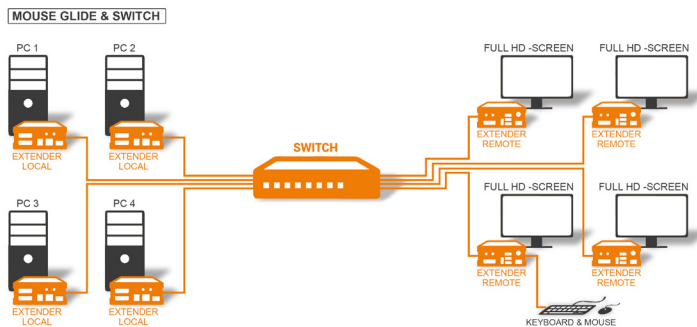


MOUSE GLIDE & SWITCH

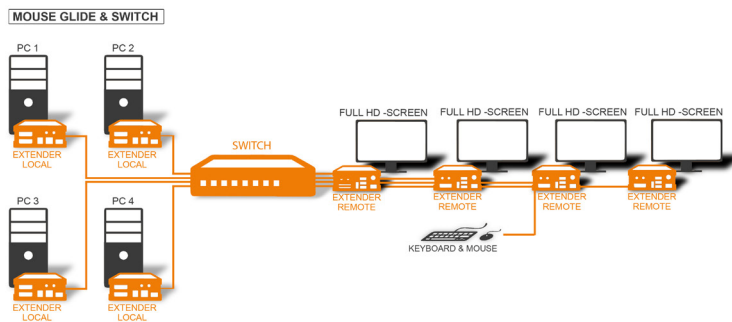


## Mouse Glide & Switch

Mouse Glide & Switch - the configuration is done via the OSD and with only one mouse and one keyboard several PCs can be operated from one workstation. The arrangement of up to 8 monitors can be horizontal or vertical and is comparable to a virtual desktop wall.



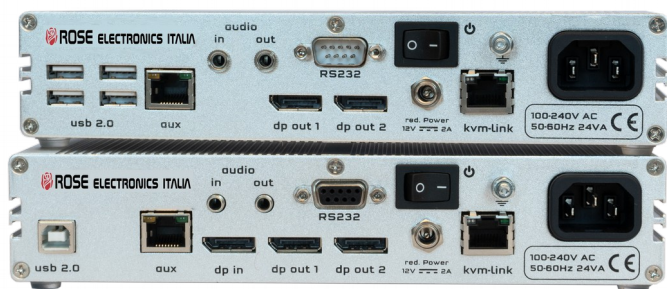
**Mouse Glide & Switch**  
arrangement in a vertical group



**Mouse Glide & Switch**  
arrangement in a horizontal group

Order No	Short Description
RUX1 RUX1L RUX1R	4K Extender Single 4K Extender Single –Local Unit (CPU) 4K Extender Single –Remote Unit (CON)
RUX1-F RUX1-FL RUX1-FR	4K Extender Single Fiber – Set 4K Extender Single Fiber – Local Unit (CPU) 4K Extender Single Fiber – Remote Unit (CON)

# 4K Ultraline KVM Extender over

**IP****Part. Nr.: RUX****It's not only a solution  
it's a revolution****Displayport 1.2 Extender over IP****Mouse Glide & Switch****4K Multiview Commander****built in MST HUB Splitter**

- Display port 1.2 Extender over IP
- Resolution 4096x 2160 @60 Hz / 4:4:4
- Max. Distance 100 m/328ft in copper
- 4K videos in real time
- USB 2.0 transparent
- Only one CAT6a/7 cable for USB and video
- USB save feature
- Can be used in the Matrix Switching System up to 2000 endpoints
- Built-in MST/HUB splitter
- Mouse Glide & Switch
- Automatic Plug & Play installation
- DP 1.2 Extension without loss of quality
- Ultra compact up to 2 extenders in 19" 1RU
- Local (CPU) / remote (CON) Monitor output
- Firmware Flash Upgrade without cable

**It's not only a solution-it's a revolution.** 4K Displayport 1.2 Extender over IP in copper with a range of 100m/328ft at a resolution of 4096x2160 @ 60Hz with perfect color coding at 4:4:4 @8 bit per color. The perfect tuning of kvm-tec video compression with a low latency allows a delay-free transmission of the signals. USB and video is transmitted via one cable. 4K Videos can be transmitted in real time. The CPU (local) and the CON (remote) part have two local video outputs, splitter function with 4 K or Multi stream support at a resolution up to 2560 x 1440 the built-in MST Hub/Splitter allows the transmission of two different image contents via one cable up to a maximum resolution of 2560x1440.

The transparent USB 2.0 interface supports tablets and touchscreens, sound modules, printers and much more. Ideal for many applications. For memory sticks and USB hard drives the USB upügrade is included.

The ROSE feature „USB save“ prevents the intrusion of viruses via the USB interface by deactivating mass storage devices.

All upgrades such as USB memory, sound, RS232 are already included.

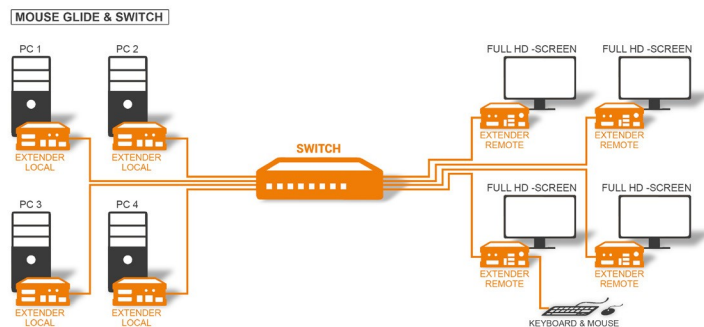
With the included switching upgrade up to 2000 endpoints, the 4K ULTRALINE DP 1.2 Extender can be integrated into a matrix switching system in conjunction with a standard 10G network switch. Switching can be done either via the OSD menu with key combination or directly via the Switching Manager. The intelligent software ROSE Switching Manager enables convenient management and intuitive operation of KVM extenders in the switching system. A Windows PC or Tablet with network interface is required for commissioning and operating the software.

## Features

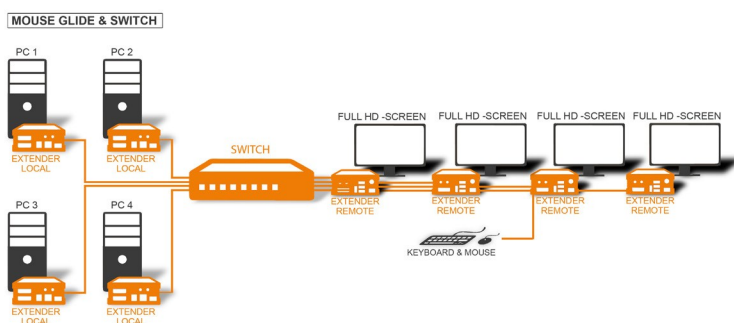
## 4K Ultraline RUX

### Mouse Glide & Switch

Mouse Glide & Switch - operated via the switching manager and with only one mouse and one keyboard several PCs can be operated from one workstation. The arrangement of up to 8 monitors can be horizontal or vertical and is comparable to a virtual desktop wall and can be operated via the Switching Manager.



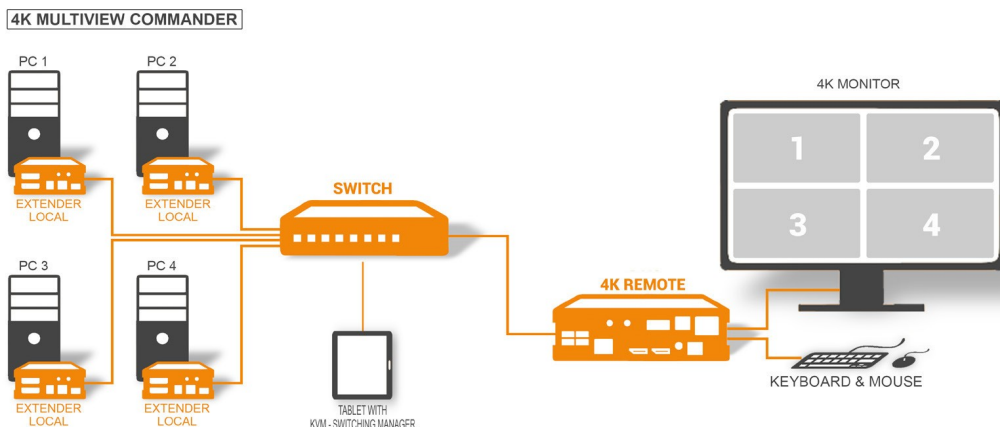
**Mouse Glide & Switch**  
Arrangement in vertical group



Arrangement in vertical group

### 4K Multiview Commander

4K Multiview Commander - ROSE innovation. The contents of 4 different PCs can be operated and controlled on only one 4K monitor. As a stand alone solution, up to 4 Full HD screen contents can be displayed and controlled on a 4K monitor. In the switching system, the 4K Multiview Commander can also be used here in conjunction with the Switching Manager tool. However, different screen contents (Full HD) can be switched. Up to a maximum of four 4K screens / 16 different PCs with Full HD output.





## Features

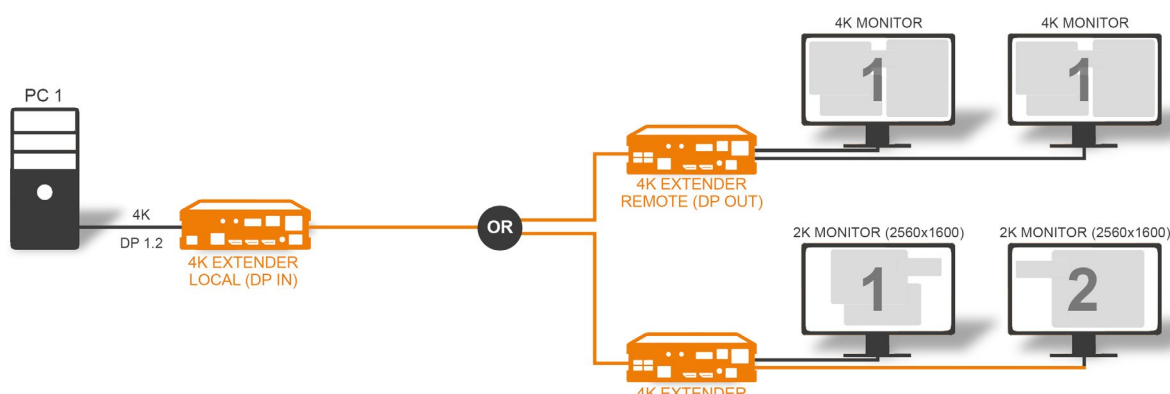
## 4K Ultraline RUX

### built in MST HUB Splitter

The built-in MST/HUB splitter allows the transmission of two different image contents via one cable up to a max. resolution of 2560 x 1600@60Hz. The CPU (local) and the CON (remote) part has two video outputs with splitter / multistream function.

With a 4k resolution @60Hz one screen content is transmitted which is available on both outputs at the same time.

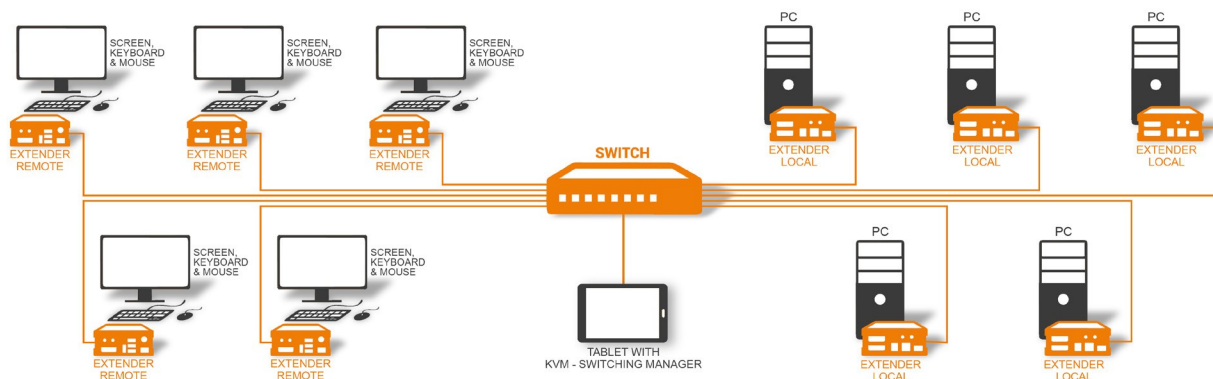
With a resolution up to 2560 x 1600@60Hz two different picture contents can be transferred to the monitors.



### Switching Manager Software

The intelligent software solution from ROSE for managing all KVM extenders connected in a matrix switching system up to 480 endpoints. The local and remote parts can be connected or disconnected by touch or mouse click. For a quick overview, the extenders are arranged in an optimized way and the status of the extenders is highlighted in color.

- Easy Login and Logout (ADMIN&USER)
- Intuitive control through coloured stored extender status
- GRID and TREEVIEW Layout
- Flexible renaming of extenders in the system
- Icons for control, disconnect and connection and sharing
- Extender Binding

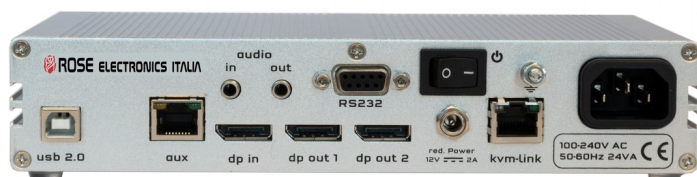


## Tecnical specification

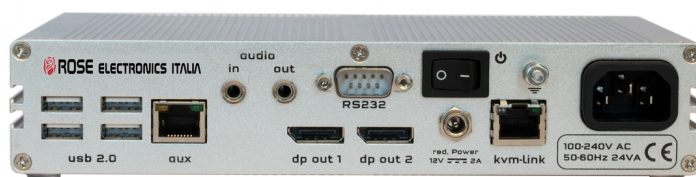
## 4K Ultraline RUX

		RUX Local/CPU	RUX Remote/CON
Interfaces	Video	1 x DP 1.2 in (no HDCP) 2 x DP1.2 out	2 x DP 1.2 out
	USB 2.0	1 x USB-B to PC	4 x USB-A (devices)
	Audio	1 x 3,5mm jack plug (Line In) 1 x 3,5mm jack plug (Line out)	1 x 3,5mm jack plug (Line In) 1 x 3,5mm jack plug (Speaker)
	RS232	1x D-Sub9 -connector (female)	1x D-Sub Buchse (male)
	AUX	1x RJ45 1Gbit	1x RJ45 1Gbit
Video	Signal type Resolution (digital) Colour mode Pixel Coding	DP 1.2 max. 4096 x 2160 @ 60Hz 24bit 4:4:4	DP 1.2 max. 4096 x 2160 @ 60Hz 24bit 4:4:4
Audio Analog	Type Bandwith	analog 16bit, 44kHz, 2ch	analog 16bit, 44kHz, 2ch
Audio embedded Displayport Digital	Type Bandwith	digital 16bit, 44kHz, 2ch	digital 16bit, 44kHz, 2ch
USB	Spezification Type Rate	USB 2.0 transparent max. 480 Mbit/s	USB 2.0 transparent max. 480 Mbit/s
RS232	Type Rate Signal	Transparent max. 230.400 bps TxD, RxD, DTR, CTS,	Transparent max. 230.400 bps TxD, RxD, DTR, CTS,
Casing	Material Dimension (W x H x D) Weight Shipment weight SET 2,30kg / 5,07lbs	anodized aluminum 218 x 43 x 105 mm/ 8.58 x 1.69 x 4.14inch 676g/ 1.49 lbs.	anodized aluminum 218 x 43 x 105 mm/8,58 x 1,69 x 4,14 inch 707g/1,55 lbs.
power supply	Type	internal power supply AC 90-240V/60-50Hz IEC plug (IEC-320 C14)	internal power supply AC 90-240V/60-50Hz IEC plug (IEC-320 C14)
Redundant power suppl<y	Type	12 VDC 2A (optional)	12 VDC 2 A (optional)
Power input	Operation	15W	15W without USB devices
Operation environment	Temperature Humidity	0 bis +45 °C (32 bis 113 °F) < 80%, non condensing	0 to +45 °C (32 to 113 °F) < 80%, non condensing
Storage environment	Temperature Humidity	-25 bis 80 °C (-13 to 176 °F) < 80%, non condensing	-25 bis 80 °C (-13 to 176 °F) < 80%, non condensing
Cooling		Free air convection	free air convection
MTBF		82.820 calculatd hours ca. 10 years	82.820 calculated hours ca. 10 years
Conformity		CE, FCC	CE, FCC
Warranty		2 years (5 Jyears opt.)	2 Jears (5 years opt.)
Delivery content	Device	1x UVX1 Local (CPU)	1x UVX1 Remote (CON)
	Power supply	1x power cord IEC C13	1x power cord IEC C13
	Cable	1x DP - DP cable 1,8m/5,9ft 1x USB A-B cable 1,8m/5,9 ft 2x Audio cable 1,8m/5,9ft 1x RS232 cable 1,8m/5.9ft	
	Mounting	4 x rubber feet 4 x mounting pads	4 x rubber feet 4 x mounting pads

## Local/CPU unit



## Remote/CON unit



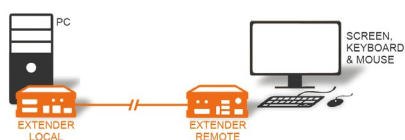
Order Nr	short description
RUX1 (RUX1-F*)	Ultraline 4K Extender Single Set
RUX1-L (RUX1-LF)	Ultraline 4K Extender Single Local Unit (CPU)
RUX1-R (RUX1-RF)	Ultraline 4K Extender Single Remote Unit (CON)
KVM-SM480	The intelligent software - ROSE Switching Manager enables convenient and intuitive management of KVM extenders in the switching system.
GV5JU GV5J	<b>Warranty extension to 5 years per UNIT</b> <b>Warranty extension to 5 years per SET</b>
RKF	<b>Rack Mounting Kit with front panel for RUX</b>

## Applications

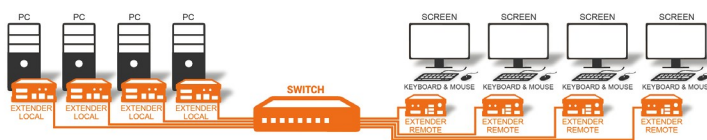
Max. Distanzce 100m/328ft in copper

Switching System up to 2000 endpoints

POINT TO POINT CONNECTION



SWITCHING SYSTEM

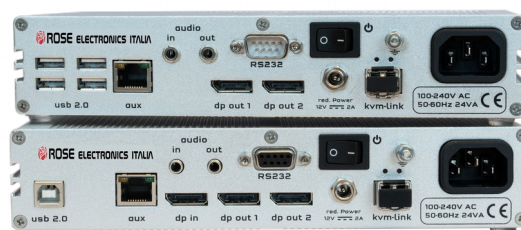


**upgrade codes: included**

**Matrix Switching System up to 2000 endpoints**

**USB Memory/RS232**

**Sound analog in both directions**



**\*RUX1-F (Optical Fiber version)**



# ITEM NO.: RI-H01F-4K 4K HDMI & USB/IR/RS232 Fiber Extender

## HDMI over Fiber Extender



RI-H01F-4K is an Optical HDMI Extender that overcomes the length restriction of standard HDMI cables by using optical fiber to send high definition audio and video signals over large distances.

It also built in USB for KVM keyboard mouse for HDMI KVM solution. It is also built in RS232/IR selection to extend the IR remote control and transfer RS-232 (up to 115kbps) in both directions, allows you to connect serial devices such as touch screens and barcode scanners.

### RI-H01F-4K 4K HDMI USB KVM with IR/RS232/USB Fiber Extender

- ✦ Support 4K@60Hz (18Gbps) 4:4:4 8bits, HDR.
- ✦ Support HDMI 2.0/HDCP 2.2.
- ✦ Use external SFP+ 10 Giga module for different distance (Order optional)
- ✦ IR/RS232/USB function selection.
- ✦ Support USB keyboard mouse.
- ✦ Support Bi-directional IR pass through from 20Khz to 60Khz.
- ✦ Support Bi-directional RS232.

### Installation:



Fiber SFP+ 10G 300M~60KM(Max)  
4K 60Hz 4:4:4



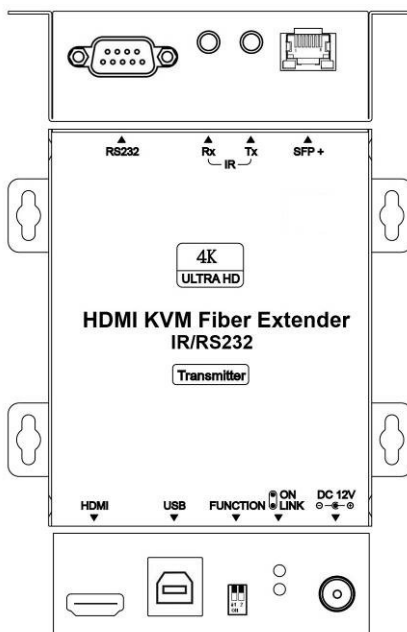
### Working Distance:

Based on SFP+ 10G fiber optical module from multi-mode 300M up too single-mode 60KM (Max.)

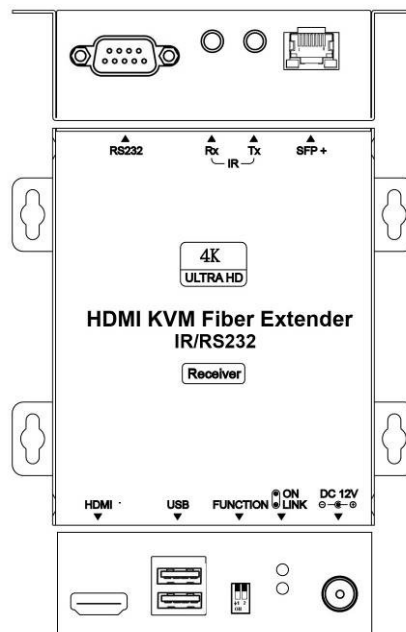
The working distance also influence on different fiber optical cable and optical connectors.

### Panel View:

RI-H01FT-4K



RI-H01FR-4K



## LED Indication:

LED Color	RI-H01FT-4K	RI-H01FR-4K
GREEN	Power on/off	
BLUE	Fiber Link/Unlink	

## Dip Switch Function:



SWITCH	FUNCTION					
SW1	ON	IR Extender Function	OFF	RS232 Extender Function	ON	USB Keyboard Mouse Extender Function
SW2	OFF		ON		ON	

## RS232 Define:

### DB9(F)

RS232	
Pin	Define
Pin 2	TX
Pin 3	RX
Pin 5	GND

### DB9(M)

RS232	
Pin	Define
Pin 2	RX
Pin 3	TX
Pin 5	GND

## Caution:

1. Under HDMI 2.0 mode, recommend to use "PREMIUM certified" HDMI cable.
2. IR Emitter/Receiver cable do not put too close to avoid mutually interference.
3. This Device not support CEC
4. The transmission distance based on 10G Fiber module 300M-60KM.

## Package Include:

- ✦ RI-H01FT-4K Transmitter x 1
- ✦ RI-H01FR-4K Receiver x 1
- ✦ DC 5V 2Amp power adapter x 2
- ✦ IR Emitter cable x 1
- ✦ IR Receiver cable x 1

## Specification:

ITEM NO	RI-H01FT-4K	RI-H01FR-4K
HDMI Input /Output	HDMI Type A x 1	HDMI Type A x 1
HDMI Resolution	4K@60Hz 4:4:4 18Gbps(6Gbps per color) 、 1080p@60Hz 16bit 3D、HDR、Dolby vision	
HDMI Audio	LPCM 7.1 @ 192KHzDolby TrueHD DTS-HD MA ATMOS DTS:X	
Link Interface	SFP 10G+	
Transmission Distance	Multimode 300 SingleMode 60Km (Max)	
RS-232 Interface	DB9(Female)	DB9(Male)
RS-232 Data Rate	115200 bps / Full Duplex	
IR Input /Output	3.5mm Phone Jack x 2	
IR Frequency carrier/receive angle/receive distance	30~60KHz / T: $\pm 10^\circ$ / R: $\pm 55^\circ$ / 5M /Bi-Directional	
Keyboard / Mouse	USB Type B x 1	USB Type A x 2
Power Consumption	Max 5 W	Max 5 W
Power Supply	DC 5V 2A	
Temperature	Operation: -10~45°C, Storage: -30~70°C95% Humidity: up to 95%	
Dimension (mm)	109.6 x 114.5 x 30	109.6 x 114.5 x 30
Weight (g)	270	270

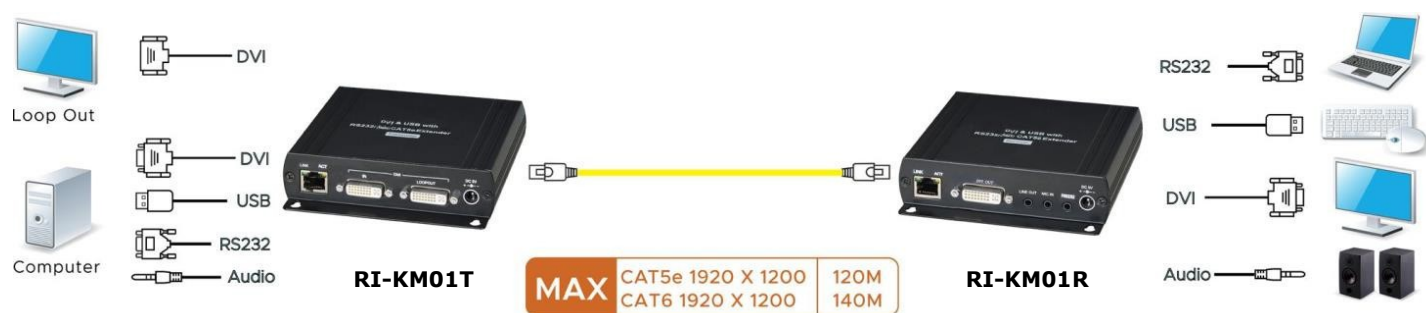
## DVI KVM with USB/RS232/Analog Audio CAT5e Extender

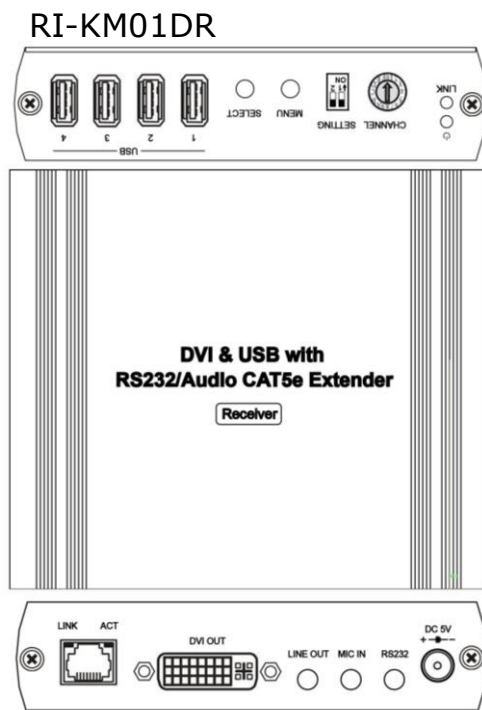
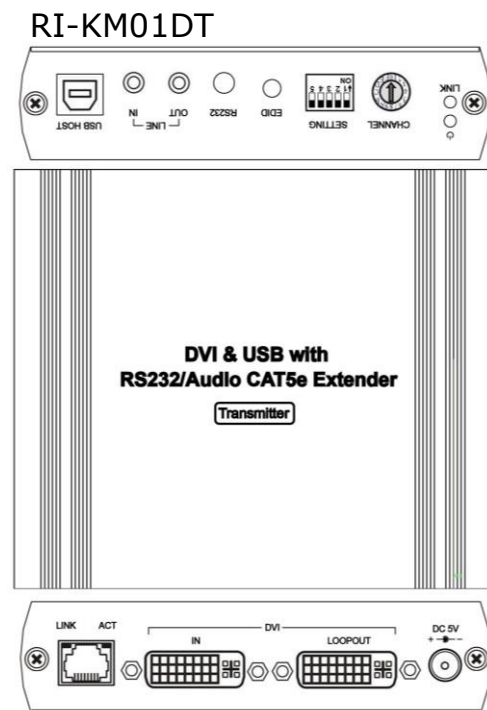
The RI-KM01D DVI & USB with Analog audio, RS232 CAT5e/6 extender design for extend all signals over one CAT5e/6 up to 140 meters, transmitter unit with local DVI monitor output. It provides superior video quality up to 1920x1200 resolutions, and using cost effective CAT5e cable, instead of DVI, RS232 cables, for an easy, neater and reliable installation. It is optimized for applications at industrial control, hospital, education, security and system control over RS232 and USB.

### Features:

- ✦ Extend DVI, USB, RS232, and Audio signals over one CAT5e/CAT6 cable.
- ✦ Transmission range up to 140M over CAT6, 120M over CAT5e.
- ✦ DVI video resolution up to 1920 x 1200@ 60Hz.
- ✦ HDCP 1.4 Compliant.
- ✦ RI-KM01DT transmitter unit built in DVI local loop output.
- ✦ Support USB 2.0 and compatible with 1.1, 1.0
- ✦ Built in Bi-directional analog audio extender function.
- ✦ Support Bi-directional RS232.
- ✦ Built in EDID copy.
- ✦ Receiver unit with 4 ports USB 2.0 devices, to extend USB 2.0 peripheral devices, such as flash drive, hard drive, mass storage device, keyboard, mouse, etc.
- ✦ Optional model:  
RI-R01 signal repeater for longer distance application (**order separately**).
- ✦ RI-CR01: IR receiver cable.
- ✦ Perfect for control remote machines and security monitoring systems, digital signage application.

### Installation View:





**LED Indication Status:**

Position	LED Color	Instruction
Front Panel	Green	Power on/off
Front Panel	Blue	Link on/off
RJ45	Green	RJ45 linking Indication
RJ45	Yellow	RJ45 Transmisison Indication (ACT)

**Bottom Switch & Button:**

**RI-KM01DT**

SWITCH/BUTTON	FUNCTION	↑ OFF	↓ ON
1	Group	0	1
2	RS232	Default	Reserve
3		Default	Reserve
4	EDID Management	4 5 ↑ ↑ = Select Default 1080p EDID ↓ ↑ = Select Receiver Monitor EDID ↑ ↓ = Select Transmitter loop out Monitor EDID ↓ ↓ = Reserve	
5			
6	Reserve	Default	Reserve
Button	Copy EDID	Based on SWITCH 4 & 5 setting to do EDID Copy	

**RI-KM01DR**

SWITCH/BUTTON	FUNCTION	↑ OFF	↓ ON
1	Group	0	1
2	RS232	Default	Reserve
Button 1	MENU	MAC, IP, Baudrate, Updated EDID	
Button 2	Select	115200, 57600, 38400, 19200, 14400, 9600, 4800, 2400, 1200	



RI-KM01D built in rotary switch for pairing devices and the rotary switch can be used to switch 0-F channel pairing with group setting of switch 1. The channel number and group setting of the transmitter and receiver must be same to be connected each other, total up to 32 (16 for each group) pairs could be setup at one switch.

After setting the pairing and group, it must reset the power to make it work.

## RJ45 Pin Define:

Link Cable (use TIA/EIA-568-B)

- |                 |          |
|-----------------|----------|
| 1. Orange-white | Data 1 + |
| 2. Orange       | Data 1 - |
| 3. Green-white  | Data 2 + |
| 4. Blue         | Data 3 + |
| 5. Blue-white   | Data 3 - |
| 6. Green        | Data 2 - |
| 7. Brown-white  | Data 4 + |
| 8. Brown        | Data 4 - |

## Cable:

Link cable recommend use high quality CAT5e,CAT6 UTP/STP/FTP cable. The max working distance is 140M (Max) over CAT6. Poor quality cable or network connection or improper construction will cause unstable connection, video or sound disruptions, picture noise appears.

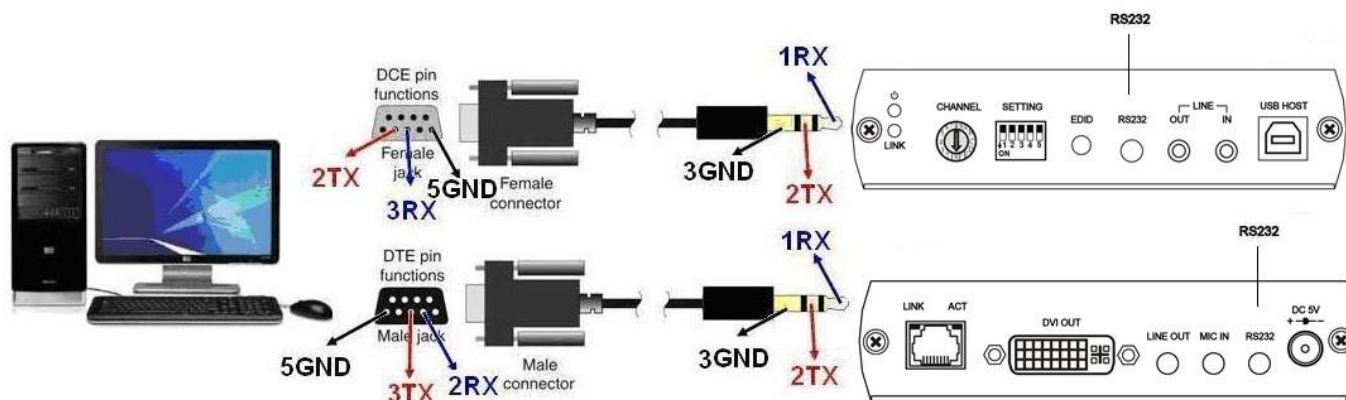
For longer distance application could be use model no: RI-R01 for extend longer distance or add a Gigabit Switch.

## RS232 Baud Rate Setting:

RS232 Default Baud rate is 115200bps. If need to change data rate, press menu button at the receiver unit to select Baud rate menu, then press select button to select the data rate and press menu button again to confirm and completed the Baud rate setting.

## RS232 Define:

DB9 (M)/3.5mm STEREO PHONE JACK Cable (Optional Order)



### DB9 F)/3.5mm STEREO PHONE JACK

RS232		3.5 mm Phone Jack	
Footprint	Define	Footprint	Define
Pin 2	TX	Pin 1	RX
Pin 3	RX	Pin 2	TX
Pin 5	GND	Pin 3	GND

### DB9 (M)/3.5mm STEREO PHONE JACK

RS232		3.5 mm Phone Jack	
Footprint	Define	Footprint	Define
Pin 2	RX	Pin 1	RX
Pin 3	TX	Pin 2	TX
Pin 5	GND	Pin 3	GND

**Trouble Shooting:**

1. RI-KM01D transmission data rate up to 850Mbps Max.
2. Do not recommend to connect general LAN to avoid large video data transmission slow down other LAN devices. °
3. Default transmitter EDID is 1080p, you could copy remote/loop out monitor EDID from TX.
4. RX analog audio input (MIC IN) is mono for microphone use only, not stereo audio (Line in)
5. RX USB port each max power output is 500mA, 4 port USB total output up to 1500mA.

**Package Include:**

RI-KM01DT Transmitter	x 1
RI-KM01DR Receiver	x 1
USB A to B cable	x 1
DB9 male to 3.5mm phone jack cable	x 1
DB9 female to 3.5mm phone jack cable	x 1
DC 5V 2Amp power adapter	x 2

**Specification:**

ITEM NO.	RI-KM01DT	RI-KM01DR
Support Resolution	Up to 1920 x1200@60Hz (Reduced Blanking)	
Transmission Distance	CAT5e: 120M / CAT6: 140M (Max)	
HDCP Compliant	HDCP 1.4	
DVI Connector	DVI-I (only support Digital Signal) x2	DVI-I (only support Digital Signal) x2
USB Connector	USB 2.0 Type B x 1	USB Type A x 4
RS232 Connector	3.5mm Phone Jack x 1	3.5mm Phone Jack x 1
	RS232 not support hardware handshake	
Link Connector	RJ45 x 1	
Analog Audio connector	Input: Line In, 3.5mm Stereo Phone Jack	Input: Mic In, 3.5mm Mono Phone Jack
	Output: 3.5mm Stereo Phone Jack	Output: 3.5mm Stereo Phone Jack
Power Supply	DC 5V 2A	
Power Consumption	1000mA (Max)	400mA (Max, No USB Device)
Temperature	Operation: -20 to 60°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions mm	125 x 140 x 30	
Weight g	400	385

RoHS CE FC 

Rev.A