19 inch rack mountable PSU, 8 or 16 outputs
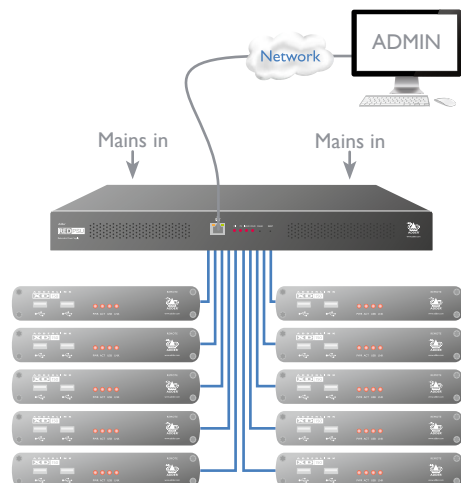
ADDER RED PSU
8 or 16 Port 12V20W redundant power supply

PRODUCT IN BRIEF

Adder RED PSU provides your installation with the power to grow on demand. Housed within a 1U 19-inch rack mount module, RED PSU delivers up to sixteen power 12VDC outputs, hot swapable power modules and remote management.

- 8 or 16 port independently controllable 12V outputs
- 2 hot swappable power modules
- Controllable via secure HTTP interface
- REST API for 3rd party control integration
- 500,000hrs MTBF ratings on power modules
- 12V to 5V cable converters available for units with 5V power feeds

ADMIN

Network

Mains in   Mains in

FEATURES

Power to match your needs
While individual Adder power adapters perform well, as your installation expands and its devices proliferate, separate adaptors can become unwieldy and difficult to manage. RED PSU provides a significant step up in terms of efficiency, reliability and power management.

8 or 16 port power outputs with locking connectors
RED PSU is available in two variants, offering either 8 or 16 separate, lockable power output ports. Each output is limited to a maximum of 20W at 12V and each uses a locking connector to guard against accidental disconnection.

Hot swappable power modules
Conversion from the mains AC supply to low voltage DC occurs within either one, or two switched mode 460W power modules, which slot into the rear of the RED PSU chassis. A single power module is rated at 500,000 hours MTBF and this can easily meet the needs of sixteen ports. However, in situations where redundancy is required, a second power module can be included in the second module bay. With two power modules fitted, the normal load will be intelligently balanced between them on an equal basis; with full load transferring immediately to one should the other cease operation.

Protection
Power integrity, safety and management are core elements of the RED PSU system. At start up, RED PSU checks the validity of the power module(s). It then enables each of the power outputs in sequence to reduce the instantaneous load on the power modules. After start up each power output is protected by overlapping safety features that guard against excess demand by any connected device.

Web interface control
RED PSU can be controlled and monitored via a web interface. Temperature, fan speeds and individual current measurements are viewable and each output can be individually controlled. Web interface security is by *HTTP digest authentication* (RFC 2617) with username and password as requested information.

REST API
A REST *(REpresentational State Transfer)* API is available with all functionality to which authorized 3rd party control systems can interface.

12V to 5V converter for 5V products
Many existing Adder devices are powered from 5V supplies. An optional compact converter dongle allows 5V products to be used with the RED PSU, including the AdderLink Infinity range.

ADDER RED PSU

8 or 16 Port 12V20W redundant power supply

ABOUT ADDER

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of high performance KVM switches, extenders and IP solutions enable the control of local, remote and global IT systems across the enterprise. The company distributes its products in more than 60 countries through a network of distributors, resellers and OEMs. Adder has offices in China, Germany, Japan, the Netherlands, Singapore, Sweden, United Kingdom and the United States.

To find out more, visit:
http://www.adder.com

TECHNICAL SPECIFICATIONS

Mains inputs
2 x IEC 90-264VAC 47/63Hz input
Efficiency   92%
Power Factor   0.99 typical

Peripheral connections
1x 8p8c for 10/100 Ethernet connection.

Power outputs
8 or 16 x locking 3-pin DC connector, 12VDC 20W output. Each output is a Limited Power Service (LPS) to IEC 60950-1.

Physical design
Compact case, robust metal construction. Designed for 19 inch rack mounting: 435mm/17.13" (w), 44mm/1.73" (h), 275mm/10.8" (d), 4.5kg/9.9lbs.

Operating conditions
Temperature   0 to 50°C / 32 to 122°F
Humidity   5 – 90% Non condensing
Altitude   <2000Meters / 6500ft
MTBF   500,000hrs at full load
               @50°C

Local client requirements
Browser versions
Internet Explorer™   10,11
Firefox™   24 ESR and above
Chrome™   43

Approvals
CE, FCC, UL

ORDERING INFORMATION

Redundant power supply units
(pre-fitted with two removable power supplies)
PSU-RED2-8-XX: 8-port power supply system*
PSU-RED2-16-XX: 16-port power supply system*
*standard rack mount ears included

Power supply units
(pre-fitted with one removable power supply)
PSU-RED1-8-XX: 8-port power supply system*
PSU-RED1-16-XX: 16-port power supply system*
*standard rack mount ears included

XX   = Mains Lead Country Code:
UK   = United Kingdom
US   = United States
EURO = Europe
JP   = Japan

ADDITIONAL ACCESSORIES

VSC48:   2m 3-pin locking to 3-pin locking power lead
PSU-RPS-5V: 12V to 5V converter power adaptor. 2m
PSU-RPS-5V-3M: 12V to 5V converter power adaptor. 3m
RMK4D-R2:   Rack mount bracket with holder for power adaptor (PSU-RPS-5V)
PSU-RED-460W: Additional 460W power module

Above:
PSU-RPS-5V. 12V to 5V converter power adapter

RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may find useful are:

ADDERLink INFINITY
ALIF1002P, ALIF1002R, ALIF1002T

ADDERLink INFINITY dual
ALIF2002P, ALIF2000R, ALIF2002T

XD150
XD150

XD522
XD-522-DP-PAIR

ADDER®