



**19 inch rack mountable power distribution unit with 8 outputs with hot swappable redundant power supply.**

ADDER® RED-PSU PRO2-8 provides your installation with the power to grow on demand. Housed within a 1U 19-inch rack mount module, RED-PSU PRO delivers 8 power 12VDC outputs with fully redundant and load balanced hot swappable power modules, with remote management.

## ADDER® RED-PSU PRO2-8

### Accessories

#### Features



##### 8 Port Power Outputs

RED-PSU PRO2-8 has 8 separate, lockable power output ports. Each output is limited to a maximum of 30W at 12V and each uses a locking connector to guard against accidental disconnection.



##### Hot Swappable

The unit has two switched mode 495W power modules. A single power module can easily meet the needs of 8 ports. In normal operation, the load is intelligently balanced between them on an equal basis; with full load transferring immediately to one should the other cease operation.



##### High Reliability

Conversion from the mains AC supply to low voltage DC occurs within either one, or two switched mode 495W power modules, which slot into the rear of the RED-PSU PRO chassis. A single power module is rated at 900,000 hrs MTBF and this can easily meet the needs of 16 ports.



##### Protection

At start up, RED-PSU PRO 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

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. A REST (Representational State Transfer) API is available.



##### 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 PRO, including the ADDERLink® INFINITY range.



|                                     |  |
|-------------------------------------|--|
| <b>Link Ports</b>                   |  |
| 8p8c (RJ45)                         | 1x   |
| <b>Network Support</b>              |  |
| Bandwidth                           | 10/100MbE  |
| 10/100 Support                      | Yes  |
| <b>Environmental</b>                |  |
| Operating Temperature Range °C / °F | 0 to 50 °C / 32 to 122 °F  |
| Operating Humidity (%)              | 10% - 90% (non-condensing)   |
| Altitude m/ft                       | 2,000 / 6562   |
| Mean Time Between Failure (MTBF)    | 1,000,000 h  |
| MTBF Standard                       | Telcordia SR332 Issue 4 March 2016 Calculated @ 55C  |
| <b>Power Source</b>                 |  |
| Input Power Supply                  | 2x IEC 90-264VAC 47/63Hz input. Efficiency 94% @50% load. Power Factor 0.9 MIN typical         |
| Output Power Supply                 | Locking 3-pin DC jack  |
| Power Additional Information        | Each output is a Limited Power Source Service (LPS) to IEC 60950-1 with a 12V 2.5A (30W) limit |
| <b>Power Consumption</b>            |  |
| Maximum Power (Watts)               | 990  |
| Maximum Power (Volts)               | 264  |
| <b>Physical Design</b>              |  |
| Construction Material               | Compact case, robust metal construction  |
| U size                              | 1  |
| Width (mm) / (in.)                  | 435 / 17.1   |
| Height (mm) / (in.)                 | 44 / 1.7   |
| Depth (mm) / (in.)                  | 275 / 10.8   |
| Weight (kg) / (lb)                  | 4.5 / 9.9  |
| <b>Approvals and Standards</b>      |  |
| Approvals                           | CE, cULus - E476334, FCC, RCM, UKCA  |
| Standards                           | ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN63000, FCC pt15B, ICES003    |
| Other                               | Cal Prop 65, China ROHS, EU REACH, UK REACH  |



### What's in the Box?

1x RED-PSU PRO2-8

2x Country specific power cable

1x Quick start guide

### Ordering Information

PSU-REDPRO2-8-XX      Adder dual redundant power supply - 8 port

### Related Accessories (Sold Separately)

ADDER® VSC48 Cable

ADDER® PSU RED PRO 12V to 5V DC converter

ADDER® PSU-REDPRO Power Supply Module

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