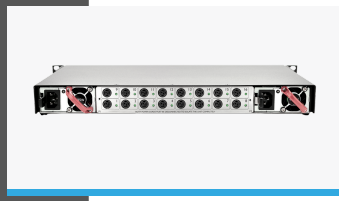

19 inch rack mountable power distribution unit with16 outputs with hot swappable redundant power supply.

ADDER® RED-PSU PRO2-16 provides your installation with the power to grow on demand. Housed within a 1U 19-inch rack mount module, RED-PSU PRO delivers 16 power 12VDC outputs with fully redundant and load balanced hot swappable power modules with remote management.

ADDER® RED-PSU PRO2-16

16 Port Power Outputs

RED-PSU PRO2-16 has 16 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.

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.

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.

Hot Swappable

The unit has two switched mode 495W power modules. A single power module can easily meet the needs of 16 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.

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.

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.

Link Ports	
8p8c (RJ45)	1x

Network Support	
Bandwidth	10/100MbE
10/100 Support	Yes

Environmental	
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)	600,000 h
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C

Power Source	
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

Power Consumption	
Maximum Power (Watts)	990
Maximum Power (Volts)	264

Physical Design	
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

Approvals and Standards	
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 PRO2-16
2x Country specific power cable
1x Quick start guide

Ordering Information	
PSU-REDPRO2-16-XX	Adder dual redundant power supply - 16 port

Related Accessories (Sold Separately)
ADDER® VSC48 Cable
ADDER® PSU RED PRO 12V to 5V DC converter
ADDER® PSU-REDPRO Power Supply Module