





19 inch rack mountable power distribution unit with 16 outputs

ADDER® RED-PSU PRO1-16 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 remote management.

ADDER® RED-PSU PRO1-16

16 Port Power Outputs

RED-PSU PRO 1-16 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.

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.

REST API

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

High Reliability

Conversion from the mains AC supply to low voltage DC occurs within one switched mode 495W power module, 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

The unit is 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.

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 units within the ADDERLink® INFINITY range.


RED PSU
PRO



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	1x 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)	495
Maximum Power (Volts)	264

Physical Design	
Construction Material	Compact case, robust metal construction for 19 inch rack mounting
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 PRO1-16
1x Country specific power cable
1x Quick start guide

Ordering Information	
PSU-REDPRO1-16-XX	Adder Distribution Power supply Unit -16 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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