

TreuPoz U-Series

TP-4800H Series for 10/100/1000 Base-T Networks 8/16 Ports POE 60W per Port

TP-4800H-U Series are a multiport solutions for remote powering of current as well as emerging high power applications. It is designed specifically to power IEEE 802.11n and IEEE 802.3at access points, pan-tilt-zoom (PTZ) and dome cameras, IP videophones, thin clients and other high power Ethernet end terminals with 60W of power, and is also backward compatible and safe to use with any IEEE 802.3af terminal such as wireless LAN access points.

The TP-4800H-U Series can power existing 10/100/1000 Base-T devices and emerging wireless Gigabit devices such as Wi-MAX and wireless IEEE 802.11n access points



Features:

- Proprietary Detection, Disconnect and Overload Protection
- 19" Rack Mounting Kit Ships with Unit
- No Power Management required
- Full Protection OTP, OCP, OVP
- Full Power -- 60W per Port
- 48V RPS Input (Optional)
- Low Cost Ultra PoE
- Gigabit Compatible
- 1 Year Warranty

Applications:

- Wireless Network and WiMax Access Points
- Satellite Receivers
- IP Cameras
- Computer Workstations
- Kiosks

Dimension:

- Length: 438mm (17.25in)
- Height: 44.5 mm (1.75in)
- Width: 228mm (8.98in)
- Weight: 1.0Kg (2.5lbs)

Safety Approvals:

cUL/UL
CE

Model Comparisons:

Model	Numbers of Ports	Maximum Output Power
TP-4804H-U (x)	4	240 W
TP-4808H-U (x)	8	480 W

Options: xxx= **RPS** for AC and DC input,
DC for DC only,
Neither **RPS** or **DC** is AC input only:



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Technical Data:

INPUT:

AC Input

Voltage Range 90 to 264VAC
Frequency 47-63Hz
Voltage Rating 100 to 240VAC

Input Current

7.5A (RMS) maximum for 90VAC
3A (RMS) maximum for 240VAC

Leakage Current:

3.5mA maximum @ 254VAC 60Hz

Inrush Current:

30A (RMS) maximum for 115VAC

OUTPUT:

Total Output Power

60W per port
240-480W Total Power

Ripple and Regulation

100mV maximum

Efficiency

75% (typical) at maximum load, and 120VAC 60Hz

Hold-up Time

16mS min. at maximum load, and 120 VAC 60Hz

Transient O/P Voltage Protection

60V maximum at switch on and off at any AC line Phase

Turn-On Delay Time

10 sec maximum at maximum load, and 120VAC 60Hz,
25Hz

ENVIRONMENTAL:

Temperature

Operation	0 to +40°C
Non-operation	-25 to +65°C

Humidity

Operation	5 to 90%
Non-Operation	5 to 90%

EMI

EN55022 Class B, FCC Class B with FTP cabling
EN55022 Class A, FCC Class A with UTP cabling

Isolation Test

Primary to Secondary: 4242VDC for 1 minute
Primary to Ground: 2121VDC for 1 minute
Secondary to Ground: 2121VDC for 1 minute

Immunity EN50082-1

ESD:	EN61000-4-2. Level 3
RS:	EN61000-4-3. Level 2
EFT:	EN61000-4-4. Level 2
Surge:	EN61000-4-5. Level 3
CS:	EN61000-4-6. Level 2
Voltage Dips	EN61000-4-11
Harmonic:	EN61000-3-2 Class A

IEEE 802.3af Interoperability

12.5k detection resistance required for full power
UNH Interoperability report available upon request

FEATURES:

Over Voltage/Current, Short Circuit Protection

Outputs equipped with short circuit protection and overload protection as per 802.3af specifications
The output can be shorted permanently without damage

Over Temperature Protection

Automatic shutdown without damage

Indicator

Green LED: Power detected "CONNECT" at 60W
Yellow LED: Fault detected

USB Diagnostics Port and NIC Interface

USB "B" port for diagnostics and manual port control
Windows GUI
NIC interface for remote management via secure IP access

Input Connector

AC Input IEC320 C14
DC Input Molex 39-30-0060

Output Connection

4-pair powering for full power
Pins 3,6, 4,5(+) Pins 1,2, 7,8 (-)

Warranty

1 year



Product Dimension:

