



## 8-Port 576W Multi-Gig Power-over-Ethernet Midspan IEEE802.3bt Compliant Power Injector



### Features

- IEEE802.3bt Compliant
- Compliant with Pihong Proprietary 12.5K Detection
- Diagnostic LEDs
- 1 Year Warranty
- 2.5 Gigabit Compatible
- Shielded DC Jacks
- OCP, OVP and Short Circuit Protections
- Limited Power Source
- Broken Wire Detection
- Optional SNMP Management

### Applications

- Satellite Receiver
- Wireless Network Access Points
- LCD Displays
- Security Cameras
- Kiosks
- Computer Workstations

### Safety Approvals

- UL/cUL 60950-1
- UL/cUL 62368-1
- CE
- IEC60950-1
- IEC62368-1

### Mechanical Characteristics (Standard Model)

- Length: 438mm (17.25in)
- Width: 228mm (8.98in)
- Height: 44.5mm (1.75in)
- Weight: 3.8Kg(8.5lbs)

### Output Specifications

Model	# of Ports	Data Speed	DC Output Voltage	Load		Regulation		SNMP
				Min.	Max.	Line	Load	
POE576U-8BT-R	8	2.5G	56V	10mA	1.286A	53-57V		No
POE576U-8BT-N-R	8	2.5G	56V	10mA	1.286A	53-57V		Yes

**INPUT:**

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Frequency**  
47 to 63Hz

**AC Input Current**  
9.0A (RMS) maximum for 90VAC  
4.25A (RMS) maximum for 230VAC

**Leakage Current**  
3.5mA maximum @ 264VAC 50Hz

**AC Inrush Current**  
40A (RMS) maximum for 115VAC  
80A (RMS) maximum for 230VAC

**OUTPUT:**  
**Total Output Power**  
576W

**Ripple and Regulation<sup>2</sup>**  
200mV max @25°C, 100-240VAC

**Efficiency**  
75% (typical) at Max. load, 120VAC 60Hz

**Hold-up Time**  
10mS min. 120VAC 60Hz max load

**ENVIRONMENTAL:****Temperature**

Operation	0°C to +40°C
Non-operation	-20°C to +65°C
Humidity	5 to 90%

**EMC**

Complies with FCC Class B  
Complies with EN55032 Class B

**Immunity**

ESD:	IEC61000-4-2 Level 3
RS:	IEC61000-4-3 Level 2
EFT:	IEC61000-4-4 Level 2
Surge:	IEC61000-4-3 Level 3
CS:	IEC61000-4-3 Level 2
Voltage Dips	IEC61000-4-11
Harmonic:	IEC61000-3-2 Class A

**Insulation Resistance**

Primary to Secondary: >10M OHM, 500VDC  
Primary to Earth Ground: >10M OHM, 500VDC

**FEATURES:****Over Current Protection**

Output #1(OUT) <900mA  
Output #2(OUT) <900mA  
Output #1 and #2 combined(OUT) <1800mA  
For 12.5K, Output #1 & #2(OUT) <1800mA

**Over Voltage Protection**

120V for <0.2 seconds

**Short Circuit Protection**

The output can be shorted permanently without damage

**LED Indicators**

Solid Green – detection/connection valid & output “ON”  
Blink Red – Fault Condition (over current or shorted)  
Blink Red & Green – Detection is invalid

**Input Connector**

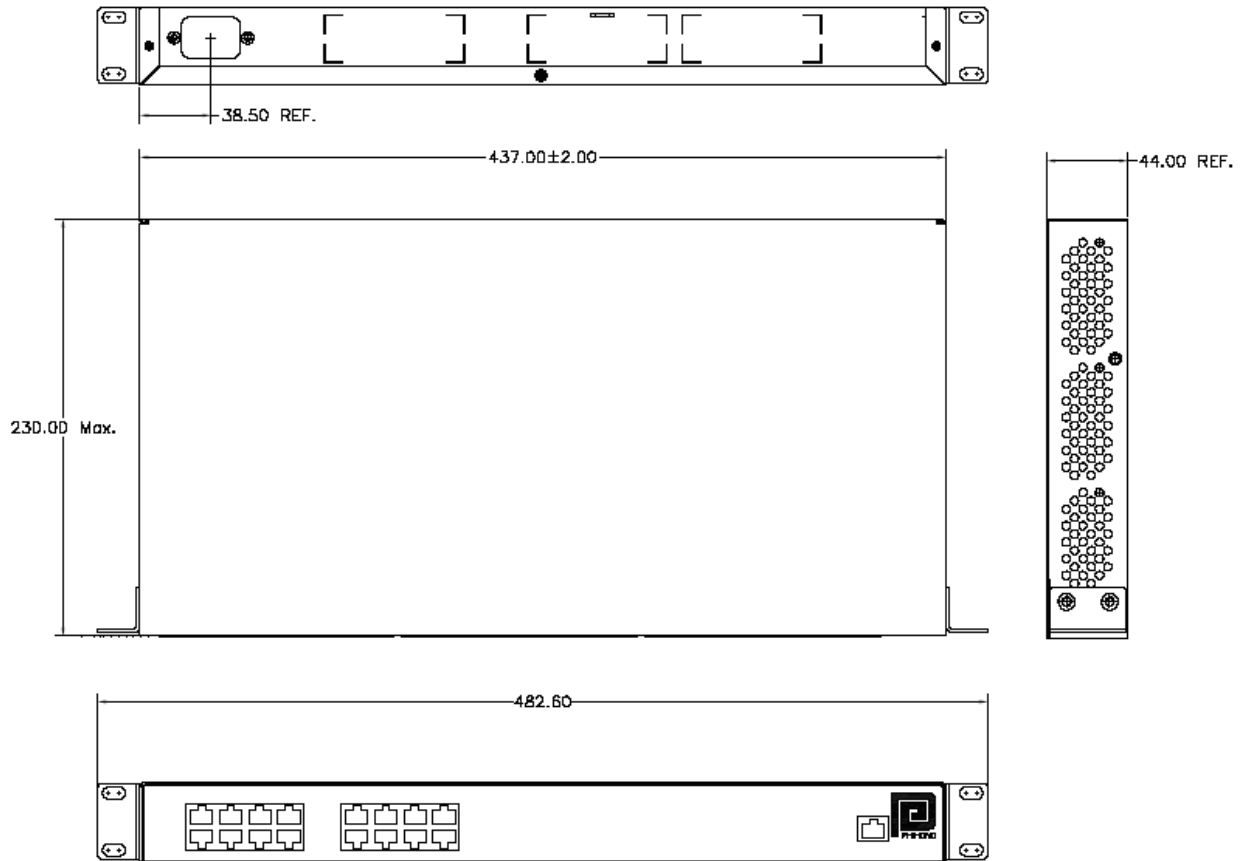
IEC320 inlet 3 pin

**Output Connection**

Female RJ45  
Data input: Bottom Row Port  
Power/Data Output: Top Row Port

**Notes:**

1. The specifications defined are at ambient temperature of 25C, unless otherwise specified.
2. Measured within 2 inches of RJ45 with by-pass capacitors 0.1uf/10uf at output connector terminal & oscilloscope set at 20Mhz (tested by oscilloscope).



**Supplier's Declaration of Conformity  
47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.