

## TECHNICAL DATASHEET

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



### Applications

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

### Features

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

### Safety Standards



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

### Dimensions

438 x 228 x 44.5 mm  
(17.25 x 8.98 x 1.75 inch)

### 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

## Characteristics

### POE576U-8BT-R

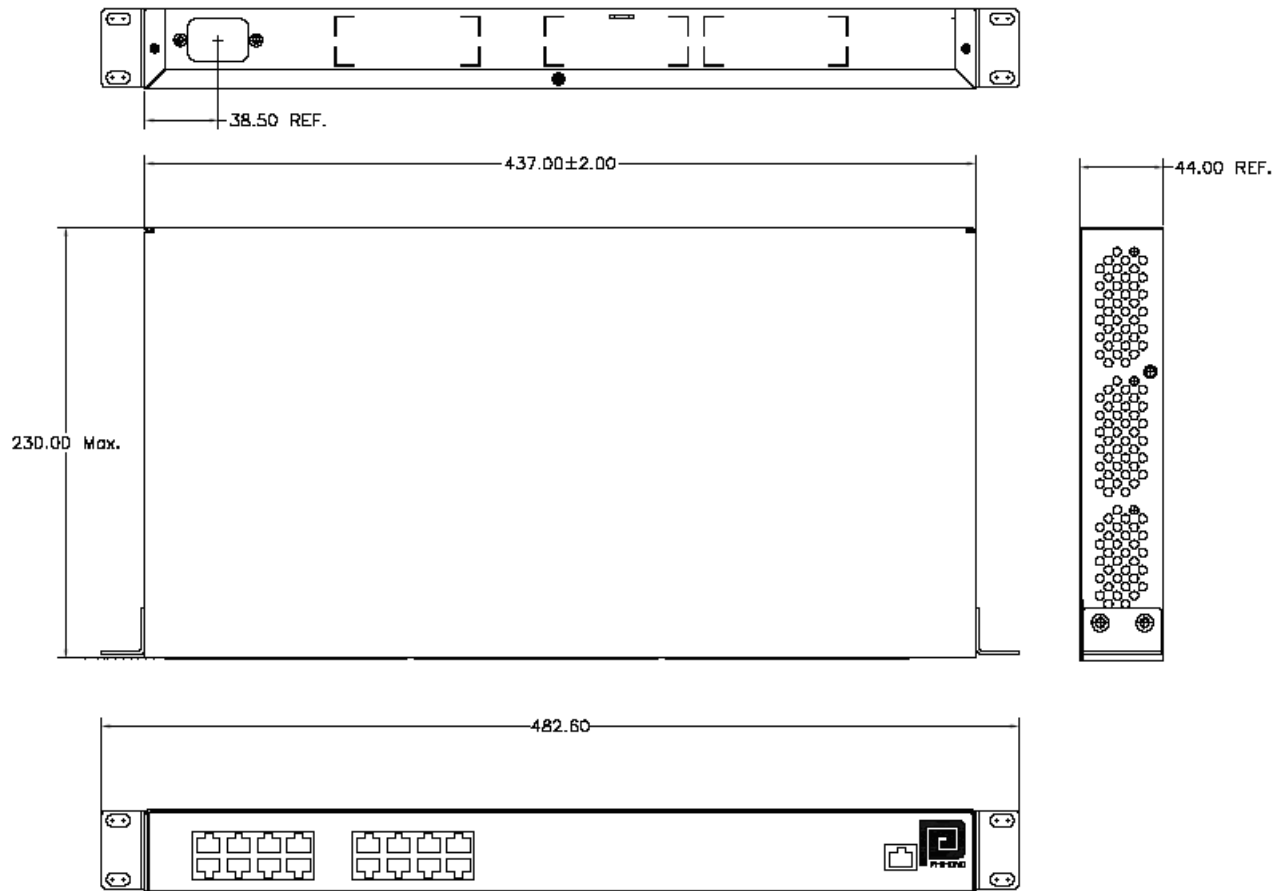
INPUT	
AC Input Voltage Rating	90 to 264VAC
AC Input Current	9.0A (RMS) maximum for 90VAC 4.25A (RMS) maximum for 230VAC
Leakage Current	3.5mA maximum @ 264VAC 50Hz
AC Input Frequency	47-63Hz
AC Inrush Current	40A (RMS) maximum for 115VAC 80A (RMS) maximum for 230VAC
OUTPUT	
Output Power	576W
Ripple 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).

# Dimensional Diagram Unit: mm



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