



4-Port 240W Multi-Gig Power-over-Ethernet Midspan IEEE802.3bt Compliant Power Injector



Features

- IEEE802.3bt Compliant
- Compliant with Phihong 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: 224mm (8.82in)
- Width: 200mm (7.87in)
- Height: 48.5mm (1.91in)
- Weight: 1.59Kg (3.5lbs)

Output Specifications

Model	# of Ports	Data Speed	DC Output Voltage	Load		Regulation		SNMP
				Min.	Max.	Line	Load	
POE240U-4BT-R	4	2.5G	56V	10mA	1.07A	53-57V		No
POE240U-4BT-N-R	4	2.5G	56V	10mA	1.07A	53-57V		Yes

INPUT:**AC Input Voltage Range**

90 to 264VAC

AC Input Frequency

47 to 63Hz

AC Input Current

5.0A (RMS) maximum for 90VAC

2.5A (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**

240W

Ripple and Regulation²

200mV max @25°C, 100-240VAC

Efficiency³

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) <650mA

Output #2(OUT) <650mA

Output #1 and #2 combined(OUT) <1300mA

For 12.5K, Output #1 & #2(OUT) <1300mA

Over Voltage Protection

120V for <0.2 seconds

Short Circuit ProtectionThe 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

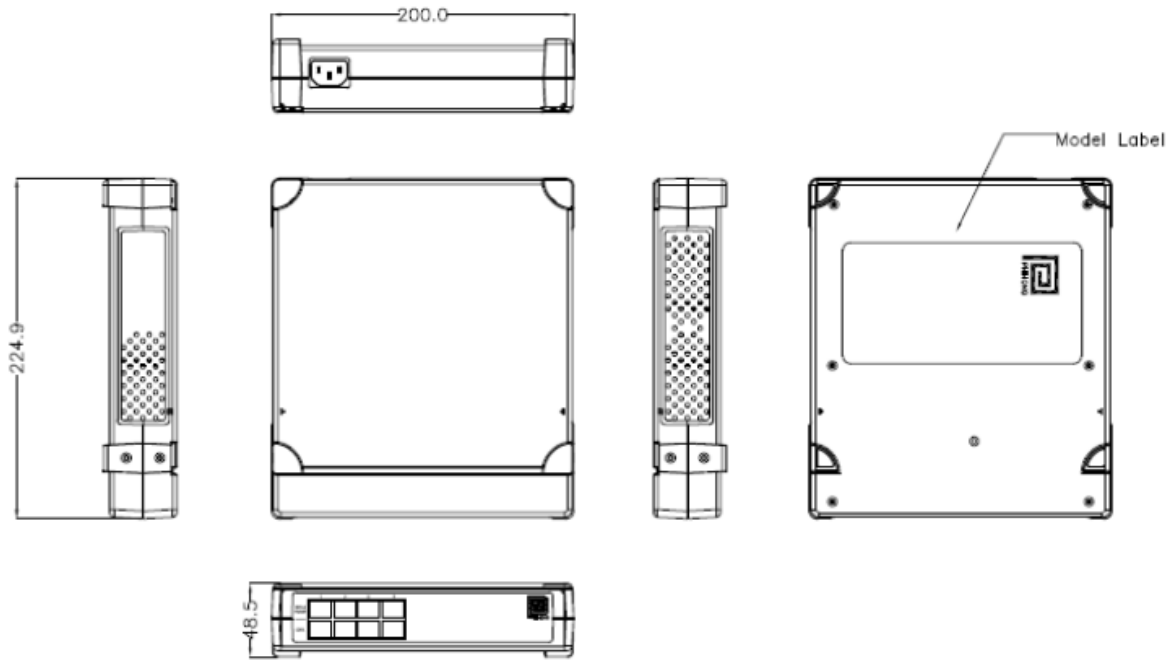
Female RJ45

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).
3. Efficiency is measured after 30 minutes burn-in.



PRELIMINARY



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

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Telephone: (510) 445-0100
www.phihong.com

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

PRELIMINARY

X-ON Electronics

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