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 Regulation[2]
200mV max @25ºC, 100-240VAC

Efficiency[3]
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

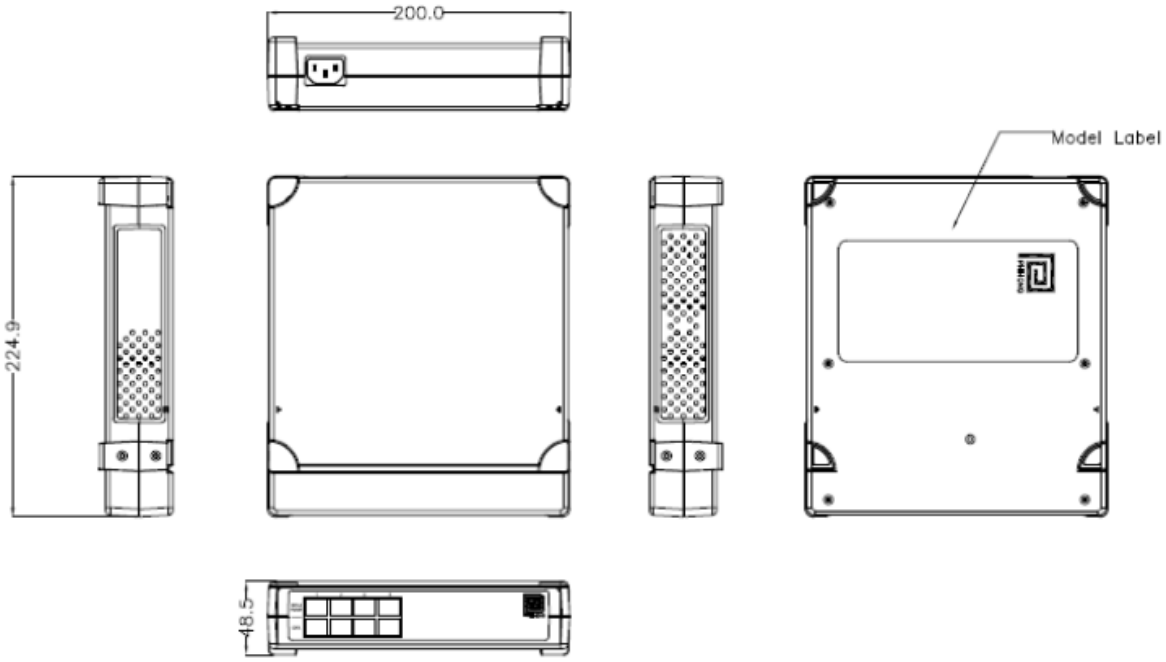
Short Circuit Protection
The output can be shorted permanently without damage

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



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.