

TECHNICAL DATASHEET

4-Port 240W Multi-Gig Power-over-Ethernet Midspan

IEEE802.3bt Compliant Power Injec



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
- 2.5 Gigabit Compatible
- Optional SNMP Management
- Broken Wire Detection
- Limited Power Source

Safety Standards



Dimension

224 x 200 x 48.5 mm
(8.82 x 7.87 x 1.91 inch)

Safety Approvals

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

Output Specifications

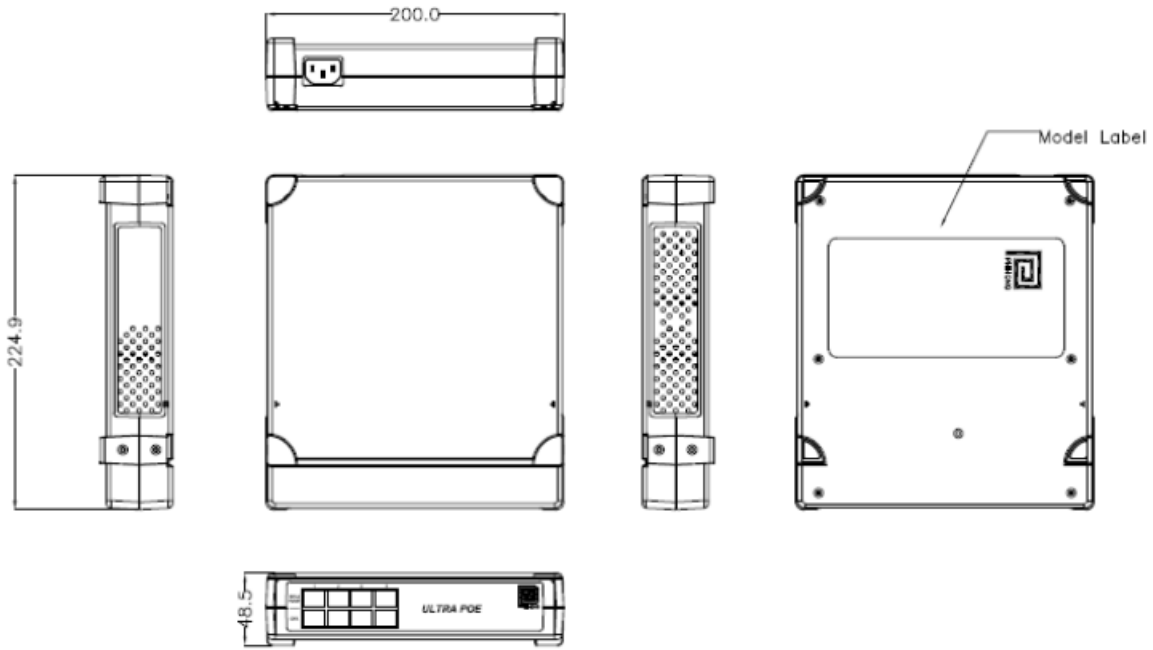
Model	#of Port	Data Speed	DC Output Voltage	Load		Regulation		SNMP
				Min.	Max.	Line	Load	
POE240U-4BT-R	4	2.5G	56V	10mA	1.07A	53-57A		No
POE240U-4BT-N-R	4	2.5G	56V	10mA	1.07A	53-57V		Yes

Specifications

POE240U-4BT-R Characteristics¹

Model		POE240U-4BT-R	POE240U-4BT-N-R
Output	Total Output Power	240W	
	Ripple and Regulation ²	200mV max @25°C, 100-240VAC	
	Efficiency ³	75% (typical) at Max. load, 120VAC 60Hz	
	Hold-up Time	10mS min. 120VAC 60Hz max load	
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47-63Hz	
	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	
Environmental	Temperature	Operating 0°C to +40°C	
		Non-Operating -20° 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	
	Insulation Resistance	Primary to Secondary: >10M OHM, 500VDC Primary to Earth Ground: >10M OHM, 500VDC	
Mechanical	Dimensions (L x W x H)	224mm (8.82in) x 200mm (7.87in) x 48.5mm (1.91in)	
	Weight	1.59Kg (3.5 lbs)	
Note	<p>1. The specifications defined are at ambient temperature of 25C, unless otherwise specified.</p> <p>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).</p> <p>3. Efficiency is measured after 30 minutes burn-in.</p>		

Outline Diagram (mm)



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