PD-9501GR/SP

Single-Port, 60W Gigabit Midspan, 4-Pairs, 802.3at Compliant with Surge Protection

Summary

The PD-9501GR/SP provides 60W of power on all 4-pairs while being backwards compatible to 802.3af and 802.3at powered devices. The PD-9501GR/SP also provides surge protection, making this device optimal for the installation of outdoor PDs. The PD-9501GR/SP is designed specifically to power IEEE® 802.11n and IEEE 802.3at access points, Pan-Tilt-Zoom (PTZ) and dome cameras, IP video phones, thin clients and other high-power Ethernet end terminals with 60W of power. It is also backward compatible with any IEEE 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points. It can power both existing 10/100Base-T devices and emerging wireless 1000Base-T devices such as WiMAX™ and wireless IEEE 802.11n access points.

Features

- IEEE 802.3at compliant
- IEEE 802.3af backward compatible
- 60W output power over 4-pairs
- Supports 10/100/1000Base-T applications
- Plug-and-play installation
- Legacy support
- Compact design

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 VAC AC Input Current: 1.5A AC Frequency: 50/60 Hz
Output Power	60W over 4-pairs
Power over Ethernet (PoE) Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 54 VDC nominal
Dimensions	L × W × H 151 mm × 62 mm × 38 mm 5.94 in. × 2.44 in. × 1.5 in
Weight	340g
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	System Indicator: AC Power - Yellow Channel Power Indicator - Green
Environmental Conditions	Operating Ambient Temperature: 14ºF to 104ºF (–10ºC to +40ºC) @60W 14ºF to 131ºF (–10ºC to +55ºC) @30W Operating Humidity: 90% Maximum, Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: 95% Maximum, Non-Condensing Operating Altitude: –1000 to 10,000 ft. (–304.8 to 3048 m)
Hazardous Substances	CE, WEEE
Warranty	1 year
Reliability	MTBF: 240,000 hrs
Thermal Rating	36 BTU/Hr
Regulatory Compliance	IEEE® 802.3at
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN55035 VCCI
Safety	UL/IEC/EN 62368-1 Please contact Microchip for a complete list of certifications
Surge Protection	EN 61000-4-5 (10/700 µsec, 4 KV) IEC-61643-21 GR-1089-CORE Issue 4 ITU-T K.45

Technical Support

For technical support, please visit the Microchip Technical Support Portal at www.microchip.com/support.

Ordering Information

Part Number	Name	Description
PD-9501-GR/SP-XX PD-9501-10GR/SP-AU Australia Power Cord PD-9501-GR/SP-EU European Union Power Cord PD-9501-10GR/SP-JP Japan Power Cord PD-9501-10GR/SP -UK United Kingdom Power Cord PD-9501-GR/SP-US United States Power Cord	PD-9501GR/SP	1-port, IEEE 802.3at 4-Pairs, Gigabit Midspan, Surge Protection

Contact Microchip for other options.

About Microchip mPoE

Microchip multi-Power over Ethernet (mPoE) is a technology that powers any wired network device seamlessly and efficiently, making it the ideal solution for Ethernet-based applications. Leveraging a uniquely designed algorithm, this technology solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard. As a pioneer in PoE technology, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).