

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 x W x H 151 mm x 62 mm x 38 mm 5.94 in. x 2.44 in. x 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: 14°F to 104°F (-10°C to +40°C) @60W 14°F to 131°F (-10°C to +55°C) @30W Operating Humidity: 90% Maximum, Non-Condensing Storage Temperature: -4°F to +158°F (-20°C to +70°C) 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).

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