

PD-9501-10GC Midspan

Single-Port, 10 Gbps, IEEE 802.3bt Type3 60W, Indoor PoE Midspan



Summary

Microchip's PD-9501-10GC is a single-port, high-power solution for remote powering of current and emerging high-power indoor applications. Generating 60W over 4 pair, the PD-9501-10GC enables remote power for a new range of applications including 802.11ac access points, Pan-Tilt Zoom (PTZ) cameras and videophones.

PD-9501-10GC supports IEEE 802.3bt Type 3 PoE standard and is backward compatible to IEEE 802.3af/at standard. It can power both existing 10/100/1000Base-T network devices and emerging wireless 10 Gbps devices such as wireless IEEE 802.11ac access points.

Key Features

- Supports IEEE 802.3bt type 3 standard PDs
- IEEE 802.3af/at backward compatible
- Guaranteed output power: 60W
- Supports 10/100/1000Base-T and 2.5/5/10 Gbps
- Safe: low-power devices receive only the power they need
- Automatic detection and protection of non-standard Ethernet terminals
- Compact design fits easily in WLAN access point and IP cameras installation

Specifications

| Feature | Description |
|---------------------------------------|--|
| Number of Ports | 1 |
| Data Rate | 10/100/1000 Mbps, 2.5/5/10 Gbps |
| Input Power Requirement | AC Input Voltage: 100 to 240 Vac AC Input Current: 1.5A @ 100 Vac AC Frequency: 50/60 Hz |
| Output Power | 60 Watts |
| Power over Ethernet Output | Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Power Voltage: 55 Vdc nominal |
| Dimensions | L x W x H 176 mm x 67 mm x 38.3 mm 6.93 in. x 2.64 in. x 1.51 in. |
| Net Weight | 330g (0.73 lbs) |
| Connectors | Shielded RJ-45, EIA 568A and 568B |
| Indicators | System Indicator: AC Power - Yellow Channel Power Indication 2 Pair - Blue 4 Pair - Green |
| Environmental Conditions | Operating Ambient Temperature: 32°F to 104°F (0°C to +40°C) 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: 200,000 hrs. @ 25°C |
| Thermal Rating | 36 BTU/Hr |
| Regulatory Compliance | IEEE 802.3bt Type 3 |
| Electromagnetic Emission and Immunity | FCC Part 15, Class B EN 55032 Class B EN55035 VCCI |
| Safety | UL/IEC/EN 62368-1 Please consult Microchip for a complete list of certifications |

Technical Support

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

Ordering Information

| Part Number | Product Name | Description |
|---|-----------------|---|
| PD-9501-10GC/AC-XX PD-9501-10GC/AC-EU European Union Power Cord PD-9501-10GC/AC-JP Japan Power Cord PD-9501-10GC/AC-UK United Kingdom Power Cord PD-9501-10GC/AC-US United States Power Cord | PD-9501-10GC/AC | Single-Port, 10 Gbps, IEEE 802.3bt Type3 60W, Indoor PoE Midspan |

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).