

PD-9001GC

Single-Port, Gigabit, IEEE 802.3at 30W, Indoor PoE Midspan



Summary

Microchip's PD-9001GC is a single-port PoE midspan, it complies to IEEE 802.3at PoE standard and is backward compatible to IEEE 802.3af.

The PD-9001GC PoE output can go up to 30W while supporting data rates up to 1000Base-T, it can be used to deliver remote power and data to PoE compatible devices such as Wi-Fi® access points, IP cameras, access control, IP phones and more.

Features

- Fully IEEE 802.3at compliant
- Backward compatible to IEEE 802.3af applications
- Guaranteed output power of 30W
- Supports 10/100/1000Base-T data rates
- Safe: low-power devices receive only the power they need
- Automatic detection and protection of non-standard Ethernet terminals
- Small and compact design

Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 55 VDC User Port Power: 30W (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240 Vac ($\pm 10\%$) AC Input Current: 1.0A @ 100-240 Vac AC Frequency: 50 to 60 Hz
Dimensions	45.8 mm (W) $\times$ 33.3 mm (H) $\times$ 140.6 mm (L) ± 0.5 mm 1.80 in. (W) $\times$ 1.31 in. (H) $\times$ 5.54 in (L) ± 0.02 in
Weight	0.375 lbs (171g)
Indicators	User Indicator: AC Power (Yellow) Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 14°F to 104°F (-10°C to +40°C)
Environmental Conditions Reliability	Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -4°F to +158°F (-20°C to +70°C) Storage Humidity: Maximum 95%, Non-condensing Operating Altitude: -1000 ft. to 6,561 ft. (-304.8m to 2,000m) MTBF: 200,000 hrs. @ 25°C
Thermal Rating	15 BTU/Hr (@240 VAC)
Warranty	1 year
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55032 Class B (Emissions) EN 55024 (Immunity) VCCI
Safety	UL/EN/IEC 60950-1 (Ed.2)

Technical Support

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

Ordering Information

Product Name	Description	Part Number
PD-9001GC/AC	Single-Port, Gigabit, IEEE 802.3at 30W, Indoor PoE Midspan	PD-9001GC/AC-US: US plug PD-9001GC/AC-EU: EU plug PD-9001GC/AC-UK: UK plug PD-9001GC/AC-AU: AU plug

Contact Microchip for other options