

PD-9001-10GC

Single-Port, 10 Gbps, IEEE 802.3at 30W, Indoor PoE Midspan

Summary

The Microchip PD-9001-10GC is a single-port, high-power solution for remote powering of current and emerging high-power indoor applications. Generating 30W, the PD-9001-10GC enables remote power for a new range of applications including wireless access points, Pan-TiltZoom (PTZ) cameras and videophones.

It complies to IEEE 802.3at PoE standard and is backward compatible to IEEE 802.3af. It can power both existing 10/100/1000Base-T network devices and emerging wireless 10 Gbps devices such as wireless access points.



Features

- IEEE 802.3at compliant
- IEEE 802.3af backward compatible
- Guaranteed output power - 30W
- Supports 10/100/1000Base-T & 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
No. of Ports	1
Data Rates	10/100/1000 Mbps & 10 Gbps
Power over Ethernet Output	Pin Assignment and Polarity: Spare Pairs 4/5 (+) and 7/8 (-) Output Power Voltage: 55 VDC
User Port Power	30 Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240Vac ($\pm 10\%$) AC Input Current: 1.5A AC Frequency: 50 to 60Hz
Dimensions	55.8 mm (W) \times 34.3 mm (H) \times 167 mm (L) 2.2 in. \times 1.35 in. \times 6.57 in
Weight	0.51 lbs (230g)
Indicators	AC Power (Yellow) Channel Power (Green)
Connectors	Shielded RJ-45, CAT6A
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 MTBF: 200,000 hrs. @ 25°C
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)

Ordering Information

Product Name	Description	Part Number
PD-9001-10GC /AC	Single Port, 10 Gbps, IEEE 802.3at 30W, Indoor PoE Midspan	PD-9001-10GC/AC-US: US plug PD-9001-10GC/AC-EU: EU plug PD-9001-10GC/AC-UK: UK plug PD-9001-10GC/AC-AU: AU plug

For More Information

www.microsemi.com



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DS00003357A

www.microchip.com

立治有限公司
sales@litz.com.tw

Web: www.litz.com.tw
Tel: +886-2-2739-6008

