

PD-9501 GCI/DC

Single-Port, IEEE 802.3bt Type3 60W, 20–60 VDC, Industrial PoE Midspan

Summary

The Microchip PD-9501GCI is a single-port, high-power solution for remote powering of current and emerging high-power indoor applications. Generating 60W, the 9501GCI enables remote power for a new range of applications including wireless access points, Pan-Tilt Zoom (PTZ) cameras and other IP terminals. 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 1000BaseT devices such as wireless IEEE wireless access points.



Key Features

- IEEE 802.3BT type 3 compliant
- IEEE 802.3af/at backward compatible
- Dual DC inputs 20–60 VDC range
- Industrial rated IP30
- Extended temp range: –40°C to +75°C
- Plug and play installation
- Supports 10/100/1000 Mbps

Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 1/2 (-), 3/6 (+), 4/5 (+), 7/8 (-) Output Voltage: 55 Vdc
User Port Power	60 Watts (Guaranteed)
Input Power Requirements	DC Input Voltage: 20 to 60 Vdc DC Input Current: 4A max
Dimensions	35 mm (W) × 111 mm (H) × 78 mm (L) 1.38 in. × 4.37 in. × 3.07 in
Weight	0.82 lbs (373g)
Indicators	Power 1 - Power 1 Source is connected Power 2 - Power 2 Source is connected Alarm - One of Power 1 or Power 2 sources is faulty PoE - PoE is active and delivering power
Connectors	Shielded RJ-45, EIA 568 A and 568 B
Environmental Conditions	Operating Ambient Temperature: –40°F to +167°F (–40°C to +75°C) Storage Temperature: –40°F to +185°F (–40°C to +85°C)
Reliability	MTBF: 170,000 hrs. @25°C
Thermal Rating	32BTU/Hr @60 Vdc
Warranty	3 years
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class A EN 55032 Class A (Emissions) EN 55024 (Immunity)
Safety Approvals	UL508 UL/EN/IEC 60950-1 (ed. 2)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6

Ordering Information

Product Name	Description	Part Number
PD-9501GCI/DC	Single-Port, IEEE 802.3bt Type3 60W, 20-60 VDC, Industrial PoE Midspan	PD-9501GCI/DC

For More Information

www.microsemi.com



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