

PD-9001GI/DC

Single-Port 30W Industrial PoE Midspan



Summary

Microchip's PD-9001GI is a single-port, high-power solution for remote powering of current and emerging high-power applications. Generating up to 30W, the 9001GI enables remote power for a new range of applications including 802.11n 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 10/100Base-T network devices and 1000Base-T devices. The 9001GI is designed for industrial applications and outdoor applications from temperature point of view.

Features and Benefits

- IEEE 802.3at compliant: 30W output
- Dual DC input: 20 to 60 Vdc range
- Industrial rated IP30
- Extended temperature range -40°C to +75°C
- Plug-and-play installation
- Supports 10/100/1000 Mbps
- Din-rail or wall mountable

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	DC Input Voltage: 20 to 60 Vdc DC Input Current: 2A max
Output Power	30W
Power over Ethernet Output	4/5 (+), 7/8 (-) Nominal Output Voltage: 55 Vdc
Dimensions	L x W x H 78 mm x 31 mm x 111 mm 3.07 in x 1.22 in x 4.37 in
Net Weight	380g
Connectors	Shielded RJ-45, EIA 568A and 568B DC Terminal Block 6 pins
Indicators	Power 1 – Source power 1 is connected Power 2 – Source power 2 is connected Alarm – One of source power is Fault PoE – IEEE 802.3 PD is connected
Environmental Conditions	Operating Ambient Temperature: -40°F to +167°F (-40°C to +75°C) Operating Humidity: Maximum 90%, Non -Condensing Storage Temperature: -40°F to +185°F (-40°C to +85°C) Storage Humidity: Maximum 95%, Non -Condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	MTBF: 170,000 hrs @ 25°C
Thermal Rating	51 BTU/hr
Regulatory Compliance	IEEE 802.3 at
Electromagnetic Emission and Immunity	FCC Part 15, Class A EN50532 Class A EN55035 VCCI
Safety	UL 508 UL/IEC/EN 62368-1 Please consult Microchip for a complete list of certifications
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6 3

Technical Support

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

Ordering Information

Part Number	Name	Description
PD-9001GI/DC	PD-9001GI	30W Industrial PoE Midspan, Dual DC input includes Din-Rail and Wall adapter kit

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).