

PD-9004G

IEEE802.3at Compliant 30W 4-Port Midspan



Summary

Microchip's PD-9004G midspan offers a cost-effective, IEEE 802.3at compliant solution to upgrade existing infrastructure with PoE, guaranteeing 30 Watts of power through each port and ensuring safe operation of any standard PoE data terminal. The PD-9004G is an ideal solution for powering and controlling up to 4 remote devices, including wireless LAN access points, security network cameras and IP phones without any changes to the installed network infrastructure.

PD-9004G Features

- A cost-effective solution to upgrade existing infrastructure to PoE
- Fully IEEE 802.3at standard compliant
- Supports 10/100/1000 Mbps data rates
- Safe and reliable power over existing Ethernet infrastructure
- Provides up to 30W per port for all ports
- 3 units can fit in 1U 19 rack
- Legacy PoE support

Specifications

Feature	Description
Number of Ports	4
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100-240 V _{AC} AC Input Current: 2.0A AC Frequency: 50/60 Hz
Output Power	30W
Power over Ethernet Output	4/5 (+), 7/8 (-) Nominal Output Voltage: 55 VDC
Dimensions	L x W x H 224 mm x 148 mm x 43 mm 8.82 in x 5.82 in x 1.69 in
Net Weight	820g
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	System Indicator: AC Power - Green User Indicator Channel Power - Green
Environmental Conditions	Operating Ambient Temperature: +32°F to +104°F (0°C to +40°C) 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 to 10,000 ft. (-304.8 to 3048 m)
Hazardous Substances	CE, WEEE
Waranty	1 year
Extended Waranty Available	No
Reliability	MTBF: 125,000 hrs @25C
Thermal Rating	70 BTU/hr
Regulatory Compliance	IEEE 802.3at
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55024 VCCI
Safety	UL/IEC/EN 62368-1 Please contact 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	Name	Description
PD-9004G/AC-xx	PD-9004G	4 Ports 30W 10/100/1000 Mbps
PD-9004G/AC-AU Australia Power Cord		
PD-9004G/AC-EU European Union Power Cord		
PD-9004G/AC-JP Japan Power Cord		
PD-9004G/AC-UK United Kingdom Power Cord		
PD-9004G/AC-US United States Power Cord		

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).