PD-9000G Family

IEEE® 802.3at Compliant 36W/Port Midspan Family

Summary

The PD-9000G family is designed specifically to power IEEE 802.11n and IEEE 802.3at access points, Pan-Tilt-Zoom (PTZ) and dome cameras, IP videophones, thin clients and other high-power Ethernet end terminals. The family includes 6-, 12- and 24-port models, which are backward compatible and safe to use with any 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points.

These plug-and-play midspans are easy and cost-effective solutions for leveraging an existing Ethernet infrastructure while also assuring a future-proof network.

For secure remote management, all PD-9000G models include PowerView Pro management software.

PD-9000G Features

- High power over two pairs; 36W per port
- Power redundancy:
  - Mutual midspan-to-midspan backup
- PowerView Pro secure, remote SNMPv3 and cloud-based management software
- Safe and reliable power over existing Ethernet infrastructure
- Legacy Power over Ethernet (PoE) support
- Plug-and-play installation

Specifications

Feature	Description
Number of Ports	6/12/24
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 VAC AC Input Current: 450W Units 5.5A @ 100 VAC; 2.75A @ 240 VAC AC Input Current: 1000W Unit 12A @ 100 VAC; 6A@240 VAC AC Frequency: 50/60 Hz
Output Power	36W Aggregate Power: 450W (6 or 12 port) or 1000W (24 port)
Power over Ethernet Output	4/5 (+), 7/8 (–) Nominal Output Voltage: 55 VDC
Dimensions	L x W x H 438 mm × 272 mm × 44 mm 17.3 in × 10.8 in × 1.75 in
Net Weight	6 port–4.74 kg 12 port–4.94 kg 24 port–5.34 kg
Connectors	PoE Ports and Management port: Shielded RJ-45, EIA 568A and 568B Console Port: USB Connector Type B DC Connector: DC Block Terminal RPS Com Connector: HD-D-sub-15
Indicators	System Indicator: AC Power - Green User Indicator: Channel Power - Green
Management	PowerView Pro Software Included
Environmental Conditions	Operating Ambient Temperature: 32ºF to 104ºF (0ºC to +40ºC) Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) 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
Extended Warranty Available	Contact Microchip
Reliability	MTBF: 176,000 hrs
Thermal Rating	365 BTU/hr 6 and 12 Ports 810 BTU/hr 24 Ports
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.

Management Software

PowerView Pro software is available on Microchip's Software Library.

Ordering Information

Part Number	Name	Description
PD-9006G/ACDC/M-xx	PD-9006G	6-port 450W total power 10/100/1000 Mbps
PD-9006G/ACDC/M-AU Australia Power Cord		
PD-9006G/ACDC/M-EU European Union Power Cord		
PD-9006G/ACDC/M-JP Japan Power Cord		
PD-9006G/ACDC/M-UK United Kingdom Power Cord		
PD-9006G/ACDC/M-US United States Power Cord		
PD-9012G/ACDC/M-xx	PD-9012G	12-port 450W total power 10/100/1000 Mbps
PD-9012G/ACDC/M-AU Australia Power Cord		
PD-9012G/ACDC/M-EU European Union Power Cord		
PD-9012G/ACDC/M-JP Japan Power Cord		
PD-9012G/ACDC/M-UK United Kingdom Power Cord		
PD-9012G/ACDC/M-US United States Power Cord		
PD-9024G/ACDC/M-xx	PD-9024G	24-port 1000W total power 10/100/1000 Mbps
PD-9024G/ACDC/M-AU Australia Power Cord		
PD-9024G/ACDC/M-EU European Union Power Cord		
PD-9024G/ACDC/M-JP Japan Power Cord		
PD-9024G/ACDC/M-UK United Kingdom Power Cord		
PD-9024G/ACDC/M-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).