PD-6500G Family

Multi-port 802.3af Compliant Midspan Family With Network Management System



Summary

Microchip's PD-6500G family sets a new standard for highly secure, intelligent, remotely-managed and safe-to-use PoE. Microchip's 6500G family includes 12 and 24-port models, making an even wider range of flexible Power over Ethernet installations possible. The PD-6500G family provides up to 15.4W of power over Ethernet to IP telephones, wireless LAN access points, security network cameras and many other types of data terminals over standard Ethernet data cables, leaving network infrastructure completely unaltered.

With the midspan's Plug-and-Play installation, they are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

PD-6500G Features

- Safe and reliable power over existing Ethernet infrastructure
- Powerview Pro remote, web-based SNMPv3 power management environment
- Legacy PoE support
- IEEE802.3af compliant
- Plug-and-play installation

Specifications

Feature	Description
Number of Ports	12/24
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 Vac AC Input Current: 12 port unit - 4A @ 100Vac; 2A @ 240 Vac 24 port unit - 5.5A @ 100Vac; 2.75A @ 240 Vac AC Frequency: 50/60 Hz
Output Power	User Port Power: 15.4 Watts
Power over Ethernet Output	4/5 (+), 7/8 (–) Nominal Output Voltage: 52 VDC
Dimensions	L x W x H 438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in
Net Weight	12-port unit - 4.7 kg (10.4 lb) 24-port unit - 5 kg (11 lb)
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	System Indicator: AC Power - Green User Indicator: Channel Power - Green
Management	PowerView Pro 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 10,000ft (-304.8 to 3048m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Extended Warranty Available	Contact Microchip
Reliability	MTBF: 100,000 hrs @ 25ºC
Thermal Rating	170 BTU/Hr (12 Port) 320 BTU/Hr (24 Port)
Regulatory Compliance	IEEE 802.3af
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	Ports
PD-6512G/AC/M PD-6512G/AC/M-AU Australia Power Cord PD-6512G/AC/M-EU European Union Power Cord PD-6512G/AC/M-JP Japan Power Cord PD-6512G/AC/M-UK United Kingdom Power Cord PD-6512G/AC/M-US United States Power Cord	PD-6512G	12-port, 400W total power
PD-6524G/AC/M/F PD-6524G/AC/M/F-AU Australia Power Cord PD-6524G/AC/M/F-EU European Union Power Cord PD-6524G/AC/M/F-JP Japan Power Cord PD-6524G/AC/M/F-UK United Kingdom Power Cord PD-6524G/AC/M/F-US United States Power Cord	PD-6524G	24-port, 400W total power

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).

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