PD-95xxG Family

72W per Port Gigabit Power over Ethernet (PoE) Midspan Family

Summary

Microchip's PD-95xxG family is a 6-, 12- and 24-port solution for remote powering of current and emerging high-power applications. The PD-95xxGC family is designed specifically to power IEEE® 802.11 access points, Pan-Tilt-Zoom (PTZ) and dome cameras, IP video phones, thin clients and other high-power Ethernet end terminals with 60W of power. This family supports IEEE 802.3at-powered devices and is also backward compatible and safe to use with any IEEE 802.3af terminal.
It can power both existing 10/100Base-T devices and Gigabit devices. With the midspan's plug-and-play installation, it is easy and cost effective to leverage existing Ethernet infrastructure while providing the assurance of a future-proof network.

Features

- High power over 4-pairs: 72W per port
- IEEE 802.3at compliant
- PowerView Pro secure, remote SNMPv3 web-based management
- Supports both IPv4 and IPv6 addressing
- 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 V_{AC} AC Input Current: 430W Unit: 5.5A @ 110 V_{AC}; 2.75A @ 240 V_{AC} 950W Unit: 12A @ 110 V_{AC}; 6A @ 240 V_{AC} AC Frequency: 50/60 Hz
Output Power	User Port Power: 60W Aggregate Power: 430W (6 or 12 port), 950W (24 port)
PoE Output	Data Pairs 1/2(-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Voltage: 50–57V_{DC}
Dimensions	L × W × H 435 mm × 271 mm × 44 mm 17.13 in. × 10.67 in. × 1.73 in.
Weight	PD-9524G 4.8 Kg PD-9512G 4.4 Kg PD-9506G 4.4 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 Channel Power Indicators: Power supplied over data and spare pairs - Green Power supplied over data or spare pairs - Yellow
Management	PowerView Pro included
Environmental Conditions	Operating Ambient Temperature: 32ºF to 104ºF (0ºC to +40ºC) Operating Humidity: 90% Max, Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: 95% Max, Non-Condensing Operating Altitude: 1000 to 10,000 ft (-304.8 to 3048m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Regulatory Compliance	IEEE® 802.3af (PoE, PoH Type1) IEEE 802.3at (PoE+ including 2-event, PoH Type 2),
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN55035 VCCI
Safety	UL/IEC/EN 62368-1 Contact Microchip for a complete list of certifications.

Technical Support

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

Management Software

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

Ordering Information

Part Number	Product Name	Description
PD-9506G/AC-xx	PD-9506G/ACDC/M-AU: AU Power Cord PD-9506G/ACDC/M-EU: EU Power Cord PD-9506G/ACDC/M-JP: Japan Power Cord PD-9506G/ACDC/M-UK: UK Power Cord PD-9506G/ACDC/M-US: US Power Cord	PD-9506G/ACDC/M 6-Port BT Midspan, 4-Pairs 60W/Port, Managed, 10/100/1000 BaseT, AC Input
PD-9512G/AC-xx	PD-9512G/ACDC/M-AU: AU Power Cord PD-9512G/ACDC/M-EU: EU Power Cord PD-9512G/ACDC/M-JP: Japan Power Cord PD-9512G/ACDC/M-UK: UK Power Cord PD-9512G/ACDC/M-US: US Power Cord	PD-9512G/ACDC/M 12-port BT Midspan, 4-Pairs 60W/Port, Managed, 10/100/1000 BaseT, AC Input
PD-9524G/AC-xx	PD-9524G/ACDC/M-AU: AU Power Cord PD-9524G/ACDC/M-EU: EU Power Cord PD-9524G/ACDC/M-JP: Japan Power Cord PD-9524G/ACDC/M-UK: UK Power Cord PD-9524G/ACDC/M-US: US Power Cord	PD-9524G/ACDC/M 24-Port BT Midspan, 4-Pairs 60W/Port, Managed, 10/100/1000 BaseT, AC Input

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).