PD-95xxGC Family

Multi-Port IEEE® 802.3bt-Compliant 60W PoE Midspan Family with Network Management



Summary

Microchip's PD-95xxGC 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 videophones, thin clients and other high-power Ethernet end terminals with 60W of power. This family supports IEEE 802.3bt-powered devices and is also backward compatible and safe to use with any IEEE 802.3af/at terminal. It can power both existing 10/100Base-T devices and Gigabit devices. With the midspan's plug-and-play installation, they are easy and cost effective to implement leveraging existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

Product Features

- Supports IEEE802.3bt type 3 standard PDs
- IEEE 802.3af/at backward compatible
- Legacy and pre-standard support
- 6, 12 and 24 ports
- Supports 10/100/1000 Mbps
- PowerView Pro, remote web-based SNMPv3 power management environment

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: 6-port 450W unit - 5A @ 100 VAC 12-port 950W unit - 9A @ 100 VAC 24-port 950W unit - 12A @ 100 VAC AC Frequency: 50/60 Hz
Output Power	User Port Power: 60 Watts Aggregate Power: 450W (6-port), 950W (12-port) or 950W (24-port)
Power over Ethernet Output	Spare Pair: 4/5(+), 7/8(-) Data Pair: 3/6(+), 1/2(-) Nominal Output Voltage: 54 VDC
Dimensions	L × W × H 438 mm × 272 mm × 44 mm 17.3 in. × 10.8 in. × 1.75 in.
Net Weight	PD-9506GC 4.54 kg PD-9512GC 5.34 kg PD-9524GC 5.48 kg
Connectors	Ports: 6-port Gang Shielded RJ-45, EIA 568A and 568B AC Connector: IEC 69320 type C14 DC Connector: Terminal Block Connector. two positive (+) and two negative. (-) terminals Communication Port: USB Type A and Shielded RJ45
Indicators	System Indicator: AC Power—Green User Indicator: Valid Load—Green (4 Pair) User Indicator: Valid Load—Yellow (2 Pair) User Indicator: Overload or Short circuit - Green blinks 0.5 Hz
Management	PowerView Pro included
Environmental Conditions	Operating Ambient Temperature: 32ºF to 104ºF (0ºC to +40ºC) Operating Humidity: 90% Maximum, Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: 95% Maximum, Non-Condensing Operating Altitude -1000 to 6,561ft (-304.8 to 2000m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	MTBF: 100,000hrs
Thermal Rating	234 BTU/Hr (6 Port) 432 BTU/Hr (12 Port) 525 BTU/Hr (24 Port)
Regulatory Compliance	IEEE 802.3bt, IEEE802.3af/at
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN55035 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 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-9506GC/AC-xx PD-9506GC/AC-AU: AU Power Cord PD-9506GC/AC-EK: European Union and United Kingdom Power Cords PD-9506GC/AC-JP: Japan Power Cord PD-9506GC/AC-US: US Power Cord	PD-9506GC/AC	6-port BT midspan, 4-pairs 60W/port, managed, 10/100/1000 BaseT, AC input
PD-9512GC/AC-xx PD-9512GC/AC-AU: AU Power Cord PD-9512GC/AC-EU: EU Power Cord PD-9512GC/AC-JP: Japan Power Cord PD-9512GC/AC-UK: UK Power Cord PD-9512GC/AC-US: US Power Cord	PD-9512GC/AC	12-port BT midspan, 4-pairs 60W/port, managed, 10/100/1000 BaseT, AC input
PD-9524GC/AC-xx PD-9524GC/AC-AU: AU Power Cord PD-9524GC/AC-EK: European Union and United Kingdom Power Cords PD-9524GC/AC-JP: Japan Power Cord PD-9524GC/AC-US: US Power Cord	PD-9524GC/AC	24-port BT midspan, 4-pairs 60W/port, managed, 10/100/1000 BaseT, AC input

Contact Microchip for other options

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