

PD-96xxGC Family

Multi-Port IEEE® 802.3bt-Compliant 90W PoE Midspan Family
With Network Management



Summary

Microchip's PD-96xx-GC family is a multiport solution with 6, 12 or 24 ports for remote powering of current as well as emerging high-power applications. The PD-96xxGC 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 90W of power. The PD-96xxGC family supports IEEE 802.3bt-powered devices and is also backward compatible and safe to use with any IEEE® 802.3af/at terminal. 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

- Supports IEEE802.3bt type 4 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

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: 6-port 450 Unit: 6A @ 100 V _{AC} 12-port 950W Unit: 12A @ 100 V _{AC} 24-port 950W Unit: 12A @ 100 V _{AC} AC Frequency: 50/60 Hz
Output Power	User Port Power: 90 Watts Aggregate Power: 450W (6-port) or 950W (12- and 24-port)
Power over Ethernet Output	Spare Pair: 4/5(+), 7/8(-) Data Pair: 3/6(+), 1/2(-) Nominal Output Voltage: 54 V _{DC}
Dimensions	L × W × H 438 mm × 272 mm × 44 mm 17.3 in. × 10.8 in. × 1.75 in.
Net Weight	PD-9606GC 4.54 kg PD-9612GC 5.34 kg PD-9624GC 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 With Two Positive (+) and Two Negative (-) Terminals Communication Port: USB Type A and Shielded RJ45
Indicators	System Indicator: AC Power - Green Channel Power Indicators: Power Supplied Over Data and Spare Pairs: Green Power Supplied Over Data or Spare Pairs: Orange
Management	PowerView Pro included
Environmental Conditions	Operating Ambient Temperature: 32°F to 104°F (0°C to +40°C) Operating Humidity: 90% Maximum, Non-Condensing Storage Temperature: -4°F to +158°F (-20°C to +70°C) Storage Humidity: 95% Maximum, Non-Condensing Operating Altitude: -1000 to 6,561 ft (-304.8 to 2000m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	MTBF: 85,000 Hr for PD-9612GC and PD-9624GC 247,000 Hr for PD-9606GC
Thermal Rating	486 BTU/Hr (6 Port) 810 BTU/Hr (12 Port) 810 BTU/Hr (24 Port)
Regulatory Compliance	IEEE® 802.3bt, IEEE 802.3af/at
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55035 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	Name	Description
PD-9606GC/AC-xx PD-9606GC/AC-AU: AU Power Cord PD-9606GC/AC-EU: EU Power Cord PD-9606GC/AC-JP: Japan Power Cord PD-9606GC/AC-UK: UK Power Cord PD-9606GC/AC-US: US Power Cord	PD-9606GC/AC	6-port BT midspan, 4-pairs 90W/port, managed, 10/100/1000 Base-T, AC input
PD-9612GC/AC-xx PD-9612GC/AC-AU: AU Power Cord PD-9612GC/AC-EK: European Union and United Kingdom Power Cords PD-9612GC/AC-JP: Japan Power Cord PD-9612GC/AC-US: US Power Cord	PD-9612GC/AC	12-port BT midspan, 4-pairs 90W/port, managed, 10/100/1000 Base-T, AC input
PD-9624GC/AC-xx PD-9624GC/AC-AU: AU Power Cord PD-9624GC/AC-EU: EU Power Cord PD-9624GC/AC-JP: Japan Power Cord PD-9624GC/AC-UK: UK Power Cord PD-9624GC/AC-US: US Power Cord	PD-9624GC/AC	24-port BT midspan, 4-pairs 90W/port, managed, 10/100/1000 Base-T, 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).