PD-65xxGC Family

Multi-Port IEEE® 802.3af-Compliant 15.4W PoE Midspan Family With Network Management



Summary

Microchip's PD-65xxGC family of PoE midspans includes 12- and 24-port models that provide up to 15.4W of PoE 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.

By taking advantage of their plug-and-play installation, you can easily and cost effectively leverage an existing Ethernet infrastructure to implement these midspans while also providing the assurance of a future-proof network.

For secure remote management, all PD-65xxGC models include Power View Pro management software.

Features

- Supports IEEE 802.3af standard PDs
- Output power of 15.4W over two pairs
- Supports 10/100/1000Base-T applications
- Remote management using web control and/or SNMPv3
- Plug-and-play installation
- Automatic detection and protection of non-standard Ethernet terminals

Feature	Description
Number of Ports	12/24
Data Rate	10/100/1000 Mbps
AC Input Power Requirement	AC Input Voltage: 100 to 240 VAC AC Input Current: 12-port 265W Unit: 4A @ 100 VAC 24-port 450W Unit: 6A @ 100 VAC AC Frequency: 50/60 Hz
Output Power	User Port Power: 15.4 Watts
PoE Output	4/5 (+), 7/8 (−) Nominal Output Voltage: 55 VDC
Dimensions	L × W × H 435 mm × 271 mm × 44 mm 17.2 in. × 10.7 in. × 1.75 in.
Net Weight	PD-6512GC: 3.94 kg PD-6524GC: 4.38 kg
Connectors	Ports: 6-Port Gang Shielded RJ-45, EIA 568A and 568B AC Connector: IEC 69320 Type C14 Communication Port: USB Type A and Shielded RJ45
Indicators	System Indicator: AC Power—Green User Indicator: Channel Power On—Green User Indicator: Valid Load, Port Off Due to Power Management—Green Blinks 1 Hz User Indicator: Over Current or Short Circuit—Green Blinks 0.5 Hz
Management	Power View Pro Included
Environmental Conditions	Operating Ambient Temperature: 32°F to 104°F (0°C to +40°C) Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: −4°F to +158°F (−20°C to +70°C) Storage Humidity: Maximum 95%, Non-Condensing Operating Altitude: 1000 to 6,561 ft (−304.8 to 2000m)
Hazardous Substances	CE, WEEE
Warranty	Three years
Reliability	MTBF: 156,000 hrs @ 25°C
Thermal Rating	86 BTU/Hr (12-Port) 212 BTU/Hr (24-Port)
Regulatory Compliance	IEEE® 802.3af
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-6512GC/AC-XX **PD-6512GC/AC-EK European Union and United Kingdom Power Cord** **PD-6512GC/AC-NA United States Power Cord**	PD-6512GC	IEEE 802.3af-Compliant 12-Port PoE Midspan With 15.4W Per Port and AC Input (265W)
PD-6524GC/AC-XX **PD-6524GC/AC-EK European Union and United Kingdom Power Cord** **PD-6524GC/AC-NA United States Power Cord**	PD-6524GC	IEEE 802.3af-Compliant 24-Port PoE Midspan With 15.4W Per Port and AC Input (450W)

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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