PD-95xx-10GC Family

Multi-port IEEE802.3bt Compliant 60W PoE Midspan Family with Network Management

Summary

Microchip's PD-95xx-10GC is a family of Power over Ethernet (PoE) mid-spans offering 60W power per the IEEE802.3bt standard. The family is available in 6-, 12- and 24-port configurations. Input power is provided through a universal AC voltage connector. The product is designed for use with a standard 10/100/1000 and 10G BaseT Ethernet network over a standard category 6A or better cabling plant, according to the IEEE802.3bt standard.

The PD-95xx-10GC family incorporates power management through Microchip's Powerview Pro software allowing the user to monitor and control the PD95xx-10GC via a remote network management station.

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, 2.5/5/10 Gbps
- PowerView Pro, remote web-based SNMPv3 power management environment

Specifications

Feature	Description
Number of Ports	6/12/24
Data Rate	10/100/1000 Mbps, 2.5/5/10 Gbps
AC 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 x W x H 435 mm x 271 mm x 44 mm 17.2 in. x 10.7 in. x 1.75 in
Net Weight	6 Port - 4.54 Kg 12 Port - 5.34 Kg 24 port - 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: Maximum 90%, Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: Maximum 95%, Non-condensing Operating Altitude -1312 to 10,000ft (-400 to 3048m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Extended Warranty Available	Contact Microchip
Reliability	MTBF: 100,000hrs @ 25ºC
Thermal Rating	234 BTU/Hr (6 Port) 432 BTU/Hr (12 Port) 525 BTU/Hr (24 Port)
Regulatory Compliance	IEEE 802.3bt
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-9506-10GC/AC/-xx PD-9506-10GC/AC-AU - Australia Power Cord PD-9506-10GC/AC-EK - European Union and United Kingdom Power Cord PD-9506-10GC/AC-JP - Japan Power Cord PD-9506-10GC/AC-US - United States Power Cord	PD-9506-10GC	6-port BT midspan, 4-pairs 60W/port, managed, 10/100/1000/10G BaseT, AC input
PD-9512-10GC/AC/-xx PD-9512-10GC/AC-AU - Australia Power Cord PD-9512-10GC/AC-EK - European Union and United Kingdom Power Cord PD-9512-10GC/AC-JP - Japan Power Cord PD-9512-10GC/AC-US - United States Power Cord	PD-9512-10GC	12-port BT midspan, 4-pairs 60W/port, managed, 10/100/1000/10G BaseT, AC input
PD-9524-10GC/AC/-xx PD-9524-10GC/AC-AU - Australia Power Cord PD-9524-10GC/AC-EK - European Union and United Kingdom Power Cord PD-9524-10GC/AC-JP - Japan Power Cord PD-9524-10GC/AC-US - United States Power Cord	PD-9524-10GC	24-port BT midspan, 4-pairs 60W/port, managed, 10/100/1000/10G 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).