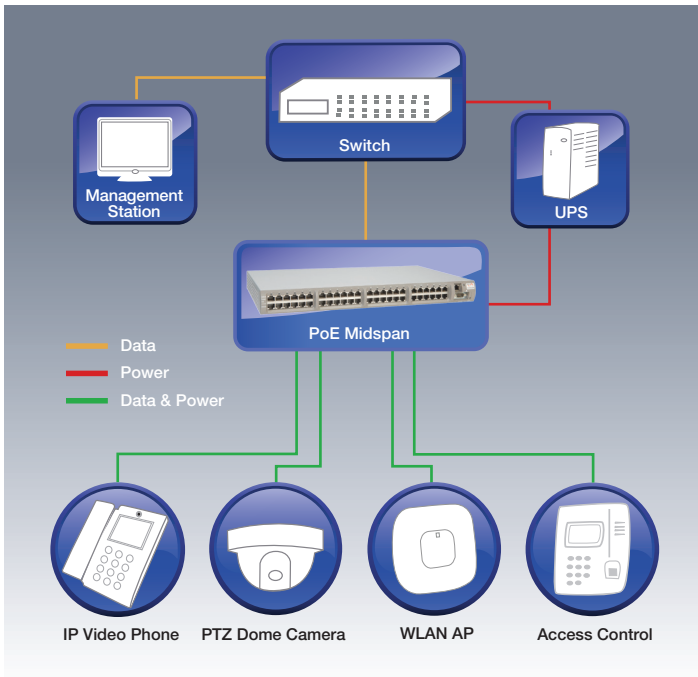


# PD-6500G Family

Business-class Midspan Family with Network Management System and Lifetime Warranty



## Overview

Microsemi's PD-6500G family sets a new standard for highly secure, intelligent, remotely-managed and safe-to-use PoE. PowerDsine 6500G family includes 6, 12, and 24-port models, making an even wider range of flexible Power over Ethernet installations possible. The PD-6500G family provides up to 15.4W of power over Ethernet 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.

With the midspan's Plug-and-Play installation, they are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

## PD-6500G Features

- Safe & reliable power over existing Ethernet infrastructure
- Powerview Pro remote, web-based SNMPv3 power management environment
- Cisco and legacy PoE support
- IEEE802.3af compliant
- Plug-and-play installation
- Guaranteed uptime

## PD-6500G Specifications

No. of Ports	6/12/24
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 52Vdc User Port Power: 15.4 Watts Aggregate Power: up to 400W
Input Power Requirements	AC Input Voltage: 90 to 240 Vac AC Input Current: 100W 2A @ 110 Vac; 1A @ 220 Vac 200W 4A @ 110 Vac; 2A @ 220 Vac 400W 5.5A @ 110 Vac; 2.75A @ 220 Vac AC Frequency: 47 to 63 Hz
Dimensions	438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in or 1U
Weight	8.8 lbs (4 kg)
Management	PowerView Pro included
Indicators	System Indicator: AC Power (Green) User Indicator: Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 32° to 104°F (0 to 40°C) Operating Humidity: 10% to 90%, Non-condensing Storage Temperature: -4° to 158°F (-20° to 70°C) Storage Humidity: 5% to 95%, Non-condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m)
Reliability	MTBF: 100,000 hrs. @25°C
Thermal Rating	170/320 BTU/Hr (@240Vac)
Warranty	Limited lifetime (see Terms and Conditions)
Regulatory Compliance	IEEE 802.3af, RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per IEC60950-1 GS Mark Per IEC60950-1

# PD-6500G Midspan Family

## Ordering Information

Part Number	Name	Ports
PD-6506G/AC/M	Microsemi PD-6506G	6-port, 100W total power
PD-6512G/AC/M	Microsemi PD-6512G	12-port, 200W total power
PD-6524G/AC/M	Microsemi PD-6524G	24-port, 200W total power
PD-6524G/AC/M/F	Microsemi PD-6524G	24-port, 400W total power



**Microsemi**

Microsemi Corporate Headquarters  
One Enterprise, Aliso Viejo, CA 92656 USA  
Within the USA: +1 (800) 713-4113  
Outside the USA: +1 (949) 380-6100  
Sales: +1 (949) 380-6136  
Fax: +1 (949) 215-4996  
email: [sales.support@microsemi.com](mailto:sales.support@microsemi.com)  
[www.microsemi.com](http://www.microsemi.com)

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense & security, aerospace and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; security technologies and scalable anti-tamper products; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,400 employees globally. Learn more at [www.microsemi.com](http://www.microsemi.com).

©2014 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

MSC-PD-6500G/6.2014