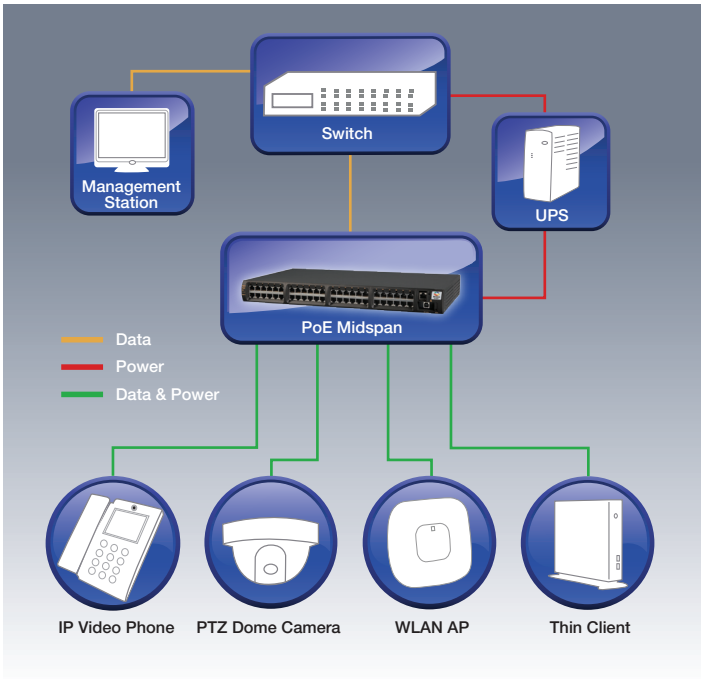
PD-9000G Family

Microsemi
Power Matters.™

IEEE802.3at Compliant 36W/Port Midspan Family



Overview

Microsemi's PD-9000G Family is designed specifically to power IEEE 802.11n and IEEE 802.3at access points, pan-tilt-zoom (PTZ) and dome cameras, IP videophones, thin clients and other high power Ethernet end terminals. The family includes 6, 12 and 24 port models, which are backward compatible and safe to use with any 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points.

With plug-and-play installation, Microsemi midspans are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

For secure remote management, all PD-9000G models include PowerView Pro management software.

PD-9000G Features

- High Power over 2-pairs -- 36W per port
- Power redundancy:
  - Mutual midspan-to-midspan backup
  - DC backup via external PowerDsine RPS products
- PowerView Pro secure, remote SNMPv3 and Cloud-based management
- Safe & reliable power over existing Ethernet infrastructure
- Cisco and legacy PoE support (dongles required)
- Plug-and-play installation
- Guaranteed power uptime

PD-9000G 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: 55Vdc
	User Port Power: 36W Typ.
	Aggregate Power: 450W, 1000W
Input Power Requirements	AC Input Voltage: 100 to 240 Vac DC Input:
	ACDC units:RPS or another 9000 midspan
	DC units: 46V - 57V
	AC Input Current:
450W Units:	5.5A @ 110 Vac; 2.75A @ 220 Vac
1000W Units:	12A @ 110 Vac; 6A@220 Vac
	AC Frequency: 50 to 60 Hz
Dimensions	438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in or 1U
Weight	14.3 lbs (6.5 kg)
Management	PowerView Pro included
Indicators	System Indicator: AC Power (Green)
	User Indicator: Channle Power (Green)
Connectors	PoE ports and management port: Shielded RJ-45, EIA 568A and 568B Console Port: USB Connector Type B DC Connector: DC Block Terminal RPS Com Connector: HD-D-sub-15
Environmental Conditions	Operating Ambient Temperature: 32º to 104ºF (0 to 40ºC)
	Operating Humidity: 10% to 90%, Non-condensing
	Storage Temperature: –4º to 158ºF (–20º to 70ºC)
	Storage Humidity: 5% to 95%, Non-condensing
	Operating Altitude: –1000 to 10,000 ft. (–304.8 to 3048 m)
Thermal Rating	365/810 BTU/Hr
Regulatory	IEEE 802.3af (PoE, PoH Type 1),
Compliance	IEEE 802.3at (PoE+ including 2-event, PoH Type 2), RoHS Compliant, VCCI, CE, C-Tick
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per EN 60950-1 GS Mark Per EN 60950-1

Ordering Information

Part Number	Name	Ports	Total Watts
PD-9006G/ACDC/M	Microsemi PD-9006G	6-port	450W
PD-9012G/ACDC/M	Microsemi PD-9012G	12-port	450W
PD-9024G/ACDC/M/F	Microsemi PD-9024G	24-port	1000W

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MSC-PD-DS-9501GR/5.2014