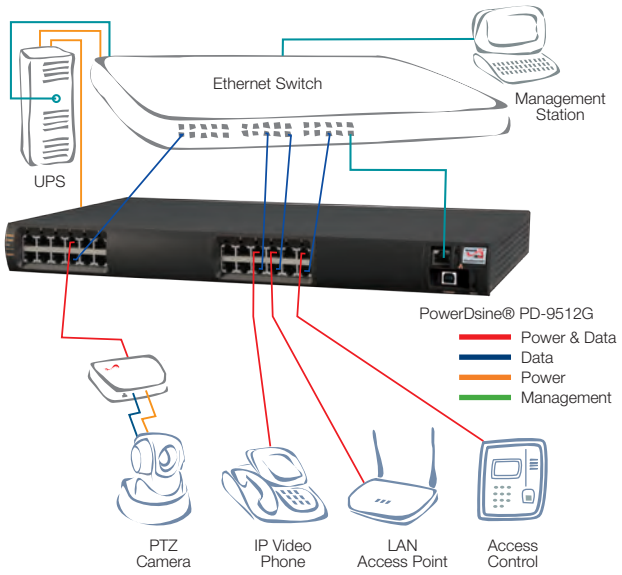
PowerDsine 9500G EEPoE

72W/Port Gigabit EEPoE Midspan Family for High Power Terminals



Overview

The PowerDsine 9500G EEPoE family is designed to power network devices such as IP cameras, access control systems, thin clients and other Ethernet powered devices (PD) that require up to 51W, while reducing power losses by almost 3W per link for 25.5W devices.

PD-9500G Energy Efficient PoE (EEPoE) Midspans are unique in their ability to deliver power over all 4 pairs of the Cat 5 or better cable, dissipating 50% less power than PoE Switches and 2-pair Midspans, while fully complying with the IEEE802.3at-2009 standard.

EEPoE allows reduced power dissipation to new powered devices and also to the huge installed base of over 100 million existing IEEE standard-compliant PDs worldwide.

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-9500G Features

- High Power over 4-pairs – 72W per port
- IEEE 802.3at Compliant with 2-event classification
- High efficiency, dissipating 50% less power than 2-pair switches and midspans
- PowerView Pro secure, remote SNMPv3 web-based management
- Supports both IPv4 and IPv6 addressing
- Cisco and legacy PoE support
- Plug-and-play installation
- Guaranteed uptime

PD-9500G EEPoE Specifications

No. of Ports	6/12/24
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: Data Pairs 1/2(-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 54-57Vdc User Port Power: 72W Typ. Aggregate Power: 450W, 1000W
Input Power Requirements	AC Input Voltage: 100 to 240 Vac DC Input: 57V (RPS or another 9500G midspan) ACDC units: RPS or another 9000 midspan AC Input Current: 450W Unit: 5.5A @ 110 Vac; 2.75A @ 220 Vac 1000W Unit: 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) Channel Power Indicators: Green—Power supplied over data and spare pairs Yellow—Power supplied over data or spare pairs
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: 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)
Warranty	Limited lifetime (see Terms and Conditions)
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type1) 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

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Ordering Information

Part Number	Name	Ports	Total Watts
PD-9506G/ACDC/M	PowerDsine 9506G	6-port	450W
PD-9512G/ACDC/M	PowerDsine 9512G	12-port	1000W
PD-9524G/ACDC/M	PowerDsine 9524G	24-port	1000W

For More Information

North America
PowerDsineUSA@microsemi.com

EMEA
(Europe, Middle East, Africa)
PowerDsine@microsemi.com

LATAM
(Latin America)
PowerDsineLATAM@microsemi.com

APAC
(Asia Pacific)
PowerDsineAPAC@microsemi.com

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Power Matters.

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