

# 9600G PoH/PoE

## 95 W/Port Gigabit Midspan Family for High Power Terminals

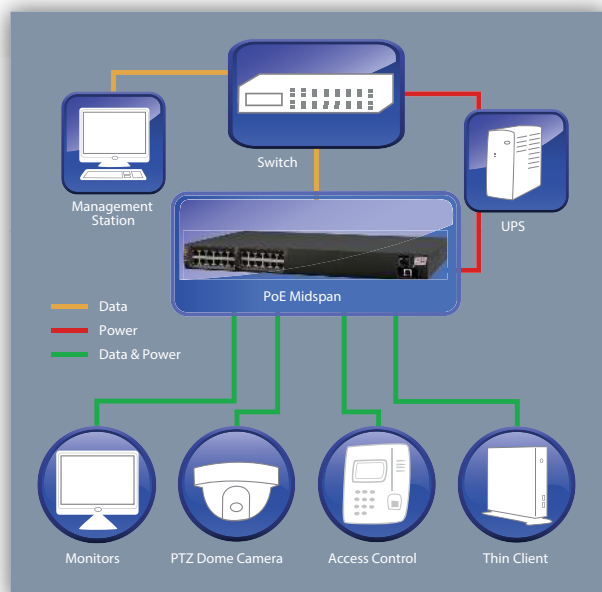


Figure 1: 9600G PoH/PoE

### Features

- High Power over 4-pairs – 95 W per port
- PoH Compliant with 3-event classification
- PowerView Pro secure, remote SNMPv3 web-based management
- Supports both IPv4 and IPv6 addressing
- Plug-and-play installation
- Guaranteed uptime

### Overview

The Microsemi 9600G 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 72W, it also targeting emerging devices that use high power over Ethernet infrastructure such as digital signage and monitors.

PD-9600G Energy Efficient PoE Midspans are PoH compliant (Power Over HDBaseT), they are unique in their ability to deliver power over all 4 pairs of the Cat 5E or better cable, they are also backwards compatible to 802.3af and 802.3at, including 4-pairs 802.3at. 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.

### Specifications

Feature	Description
No. of Ports	6/12
Pass Through Data Rates	10/100/1000 Mbps
Output Power	Pin Assignment and Polarity: Data Pairs 1/2 (-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 54-57 Vdc User Port Power: 95 W guaranteed Aggregate Power: 1000 W
Input Power Requirements	AC Input Voltage: 100 to 240 Vac DC Input: 57 V (another 9600G midspan)
1000 W Unit	AC Input Current: 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 568 A and 568 B Console Port: USB Connector Type B DC Connector: DC Block Terminal 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), PoH Twin Type 3, 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-9606G/ACDC/M	9606 G	6-port	1000 W
PD-9612G/ACDC/M	9612 G	12-port	1000 W

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