

9600G PoH/PoE

95 W/Port Gigabit Midspan Family for High Power Terminals

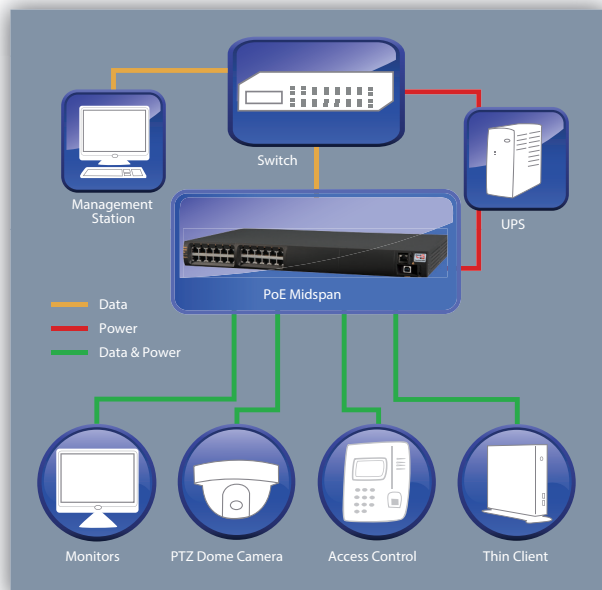


Figure 1: 9600G PoH/PoE

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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