

9600G PoH/PoE

95 W/Port Gigabit Midspan Family for High Power Terminals

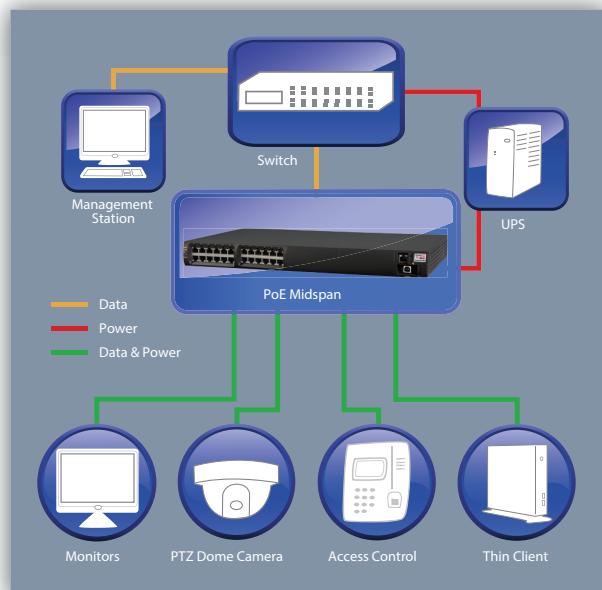


Figure 1: 9600G PoH/PoE

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

9600G PoH/PoE

95 W/Port Gigabit Midspan Family for High Power Terminals

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

Microsemi makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Microsemi assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by Microsemi have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by Microsemi. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by Microsemi hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. Microsemi does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to Microsemi, and Microsemi reserves the right to make any changes to the information in this document or to any products and services at any time without notice.



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
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; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,600 employees globally. Learn more at www.microsemi.com.

© 2015 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.