

PD-9001GR/SP Midspan

Single Port, High Power Gigabit Midspan, 802.3at Compliant with Surge Protection

Key Features

- IEEE 802.3at compliant with 2-event classification
- IEEE 802.3af backward compatible
- Output power of 30 W is guaranteed
- Supports 10/100/1000 Base-T applications
- Compatible with IEEE 802.3af devices and pre-standard devices
- Safe: low power devices receive only the power they need
- Automatic Detection and Protection of non-standard Ethernet terminals
- Compact design fits easily in WLAN Access Point and IP Cameras installations

Overview

Microsemi's PD-9001GR/SP is a single port, high-power solution for remote powering of current and emerging high power applications. The PD-9501GR/SP provides Surge Protection functionality optimal for the installation of outdoor PDs. Generating up to 30 W, the PD-9001GR/SP enables remote power for a new range of applications including 802.11n access points, pan-tilt-zoom (PTZ) cameras, and video-phones. It complies to IEEE 802.3at PoE standard and is backward compatible to IEEE 802.3af. It can power both existing 10/100 Base-T network devices and emerging wireless 1000 Base-T devices such as WiMAX and wireless IEEE 802.11n access points.

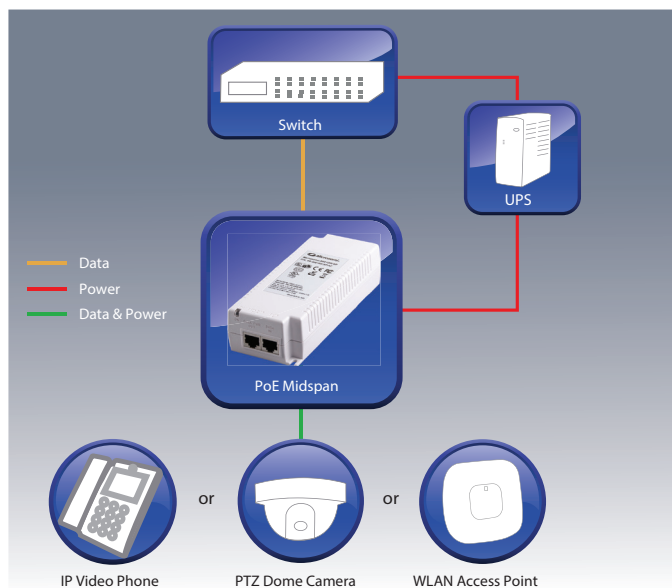


Figure 1: PD-9001GR/SP

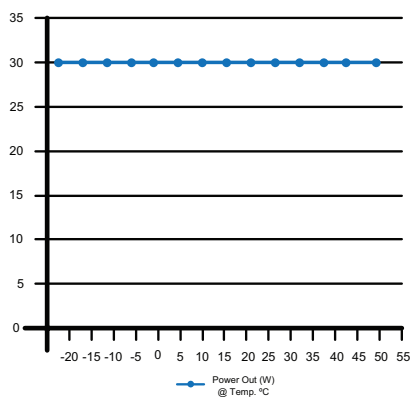
Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 55 Vdc
User Port Power	30 Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 0.8 A @ 100-240 Vac AC Frequency: 50 to 60 Hz
Dimensions	62 mm (W) x 38 mm (H) x 151 mm (L) 2.44 in. x 1.5 in. x 5.94 in
Weight	0.75 lbs (340 g)
Indicators	AC Power (Yellow) Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568 A and 568 B
Environmental Conditions	Operating Ambient Temperature: -4° to 104° F (-10 to 50° C) @ 30 W Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -4° to 158° F (-20° to 70° C) Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 240,000 hrs. @ 25° C
Thermal Rating	25 BTU/Hr (@ 240 VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Surge Protection	Surge Protection: EN 61000-4-5 (10/700 µsec, 4 KV) Meets Surge Protection as specified in: IEC-61643-21 GR-1089-CORE lightning protection demands ITU-T K.45 International standard
Safety Approvals	UL/cUL Per IEC 60950-1 GS Mark Per IEC 60950-1

PD-9001GR/SP Midspan

Single Port, High Power Gigabit Midspan, 802.3at Compliant with Surge Protection

PD-9001 GR/SP Performance



Ordering Information

Part Number	Name	Description
PD-9001GR/SP/AC	Microsemi PD-9001GR/SP/AC	1-port IEEE 802.3at Gigabit Midspan with Surge Protection

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 (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.

立治有限公司 Web: www.litz.com.tw
sales@litz.com.tw Tel: +886-2-2739-6008