

9601G

PoH 95 W, Single Port Gigabit Midspan

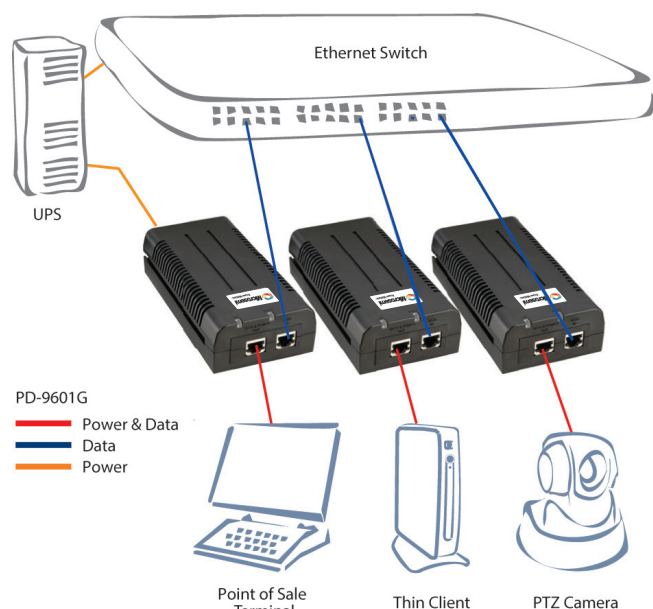


Figure 1: 9601G

Features

- Up to 95 W of power over 4-pairs
- PoH, IEEE 802.3at and 802.3af compliant
- Plug-and-play installation
- Guaranteed uptime

Overview

The Microsemi 9601G is a single port solution for remote powering of current as well as emerging high power applications.

The Microsemi 9601G is designed to power wireless and cellular base stations, pan-tilt-zoom (PTZ) and dome cameras, physical access control with door locks, televisions and interactive displays, Point of Sales (POS) and information kiosks, thin clients and other high power Ethernet end terminals with 95 W of power, and is also backward compatible and safe to use with any IEEE 802.3af or IEEE 802.3at terminal such as VoIP phones, IP cameras, and wireless LAN access points. It can power both existing 10/100Base-T devices and emerging wireless Gigabit devices. With the midspan's plug-and-play installation, they are easy and cost effective to implement leveraging existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

Specifications

| Feature | Description |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No. of Ports | 1 |
| 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 |
| Input Power Requirements | AC Input Voltage: 100 to 240 Vac AC Input Current: 1.8A @ 100-240 Vdc AC Frequency: 50 to 60 Hz |
| Dimensions | 87.9 mm (W) x 43 mm (H) x 166 mm (L) 3.46 in. x 1.68 in. x 6.53 in |
| Weight | 0.881 lbs (400 g) |
| Indicators | System Indicator: AC Power (Green) |
| | Channel Power Indicators: Green – Power delivered over 4 pairs Yellow – Power delivered over 2 pairs |
| Connectors | Shielded RJ-45, EIA 568 A and 568 B |
| Environmental Conditions | Operating Ambient Temperature: 14° to 113° F (-10° C to 45° C) |
| | Operating Humidity: Maximum 90%, Non-condensing |
| | Storage Temperature: -4° to 158° F (-20° to 70° C) |
| | Storage Humidity: Maximum 95%, Non-condensing |
| | Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m) |
| Reliability | MTBF: 100,000 hrs. @ 25° C |
| Thermal Rating | 80 BTU/Hr |
| Warranty | 1-year |
| Regulatory | IEEE 802.3af (PoE, PoH Type 1) IEEE 802.3at PoE+, PoH twin Type 2, PoH twin Type 3 (95 W), RoHS Compliant, WEEE Compliant, CE |
| 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 |
|-------------|-------|--------|
| PD-9601G/AC | 9601G | 1-port |

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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

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