9601G
PoH 95 W, Single Port Gigabit Midspan

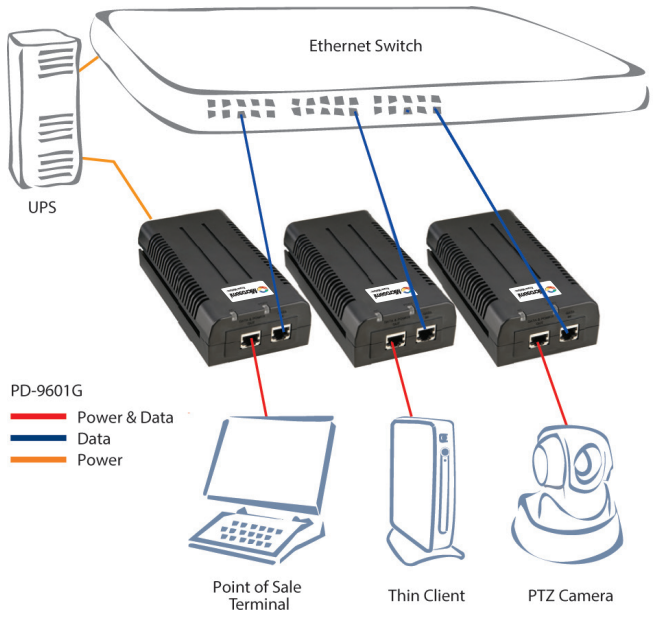

Figure 1: 9601G

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 plugand-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: 14º to 113º F (-10º C to 45º C)
	Operating Humidity: Maximum 90%, Non-condensing
	Storage Temperature: –4º to 158º F (–20º to 70º C)
	Storage Humidity: Maximum 95%, Non-condensing
	Operating Altitude: –1000 to 10,000 ft. (–304.8 to 3048 m)
Reliability	MTBF: 100,000 hrs. @ 25º 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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PoH 95 W, Single Port Gigabit Midspan

Ordering Information

Part Number	Name	Ports
PD-9601G/AC	9601G	1-port

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