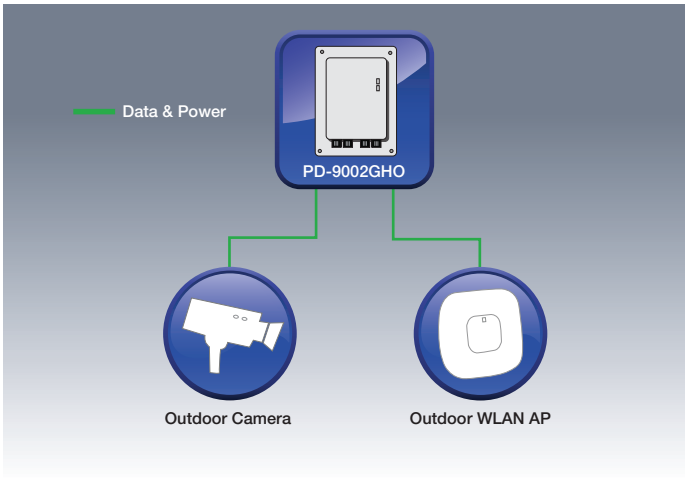
PD-9002GHO PoE Hub

Microsemi
Power Matters.™

Dual-port, Outdoor PoE Passive Hub, 30W, IEEE802.3at Compliant



Overview

Microsemi's PD-9002GHO Power over Ethernet (PoE) dual-port passive hub offers a cost effective, IEEE 802.3at compliant solution for outdoor installations, guaranteeing 30 Watts of power per port and ensuring safe and reliable operation in outdoor environment for two standard PoE data terminals. Unlike Midspans/Injectors, passive PoE hubs perform data connectivity between all its ports and also deliver PoE to all ports. Unlike PoE switches, PoE passive hubs do not have active switching components that waste power. It allows wireless LAN access points, security network cameras and other IP terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered.

The PD-9002GHO also offers surge protection for the AC and the PoE ports ensuring the indoor equipment is protected from outdoor surges.

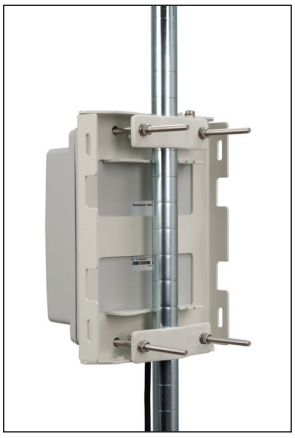
PD-9002GHO Features

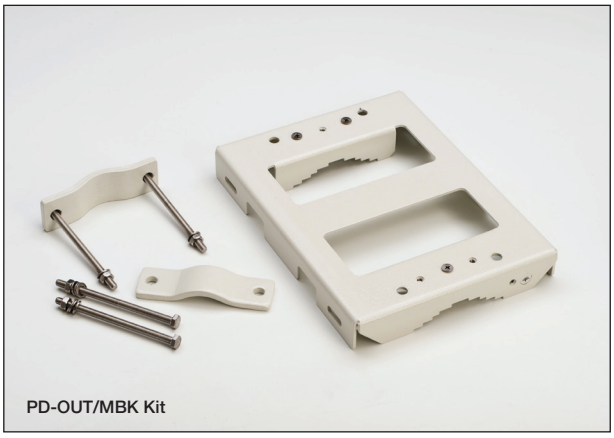
- Outdoor rated: IP66
- Extended temperature range -40ºC , +55ºC
- IEEE802.3at standard compliant
- Power provided on both RJ45 connectors
- Data connectivity between all RJ45 connectors
- Supports 10/100/1000Mbps data rates
- Plug 'n Play installation (installer does not have to open unit)
- Supports both 802.3af and 802.3at Powered devices
- Includes integral surge protection

PD-9002GHO Specifications

No. of Ports	2
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Output Power Voltage: 55Vdc User Port Power: 30W guaranteed
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 2.0A @100-240 Vac AC Frequency: 50 to 60 Hz
Dimensions	214 mm x 150 mm x 70 mm 8.42 in. x 5.90 in. x 2.75 in
Weight	1.65 lbs (750g)
Indicators	No LED indicators
Connectors	Shielded rugged RJ-45 (with gasket)
Environmental Conditions	Operating Ambient Temperature: -40º to 122ºF (-40 to 50ºC) for 60W -40º to 131ºF (-40 to 55ºC) for 30W
	Operating Humidity: Maximum 95%, Non-condensing
	Storage Temperature: –40º to 185ºF (–40º to 85ºC)
	Storage Humidity: Maximum 95%, Non-condensing
	Weather Rating: IP66, NEMA 4X
Reliability	MTBF: 150,000 hrs. @25ºC
Thermal Rating	45 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type1) IEEE 802.3at (PoE+ including 2-event, PoH Type 2), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B EN 55024, EN61000-4-5 Class 5 (6kV CM) VCCI
Surge Protection	Meets Surge Protection as specified in GR-1089-CORE Issue 4 ITU-T K.20 6 kV on AC lines
Safety Approvals	UL60950-1 & UL60950-22 GS Mark
Other Standards and Approvals	Dust and water intrusion: EN60529, Level1P66; NEMA 250, Level 4X ASTM B-117 Corrosion Resistance

PD-9002GHO with outdoor mounting bracket





PD-OUT/MBK Kit

Ordering Information

Part Number	Name	Description
PD-9002GHO/AC-NA 802.3at	Microsemi PD-9002GHO	2-port, 30W Gigabit PoE outdoor midspan with North American power connector
PD-9002GHO/AC-INTL 802.3at	Microsemi PD-9002GHO	2-port, 30W Gigabit PoE outdoor midspan with international power cord
PD-OUT/MBK	Microsemi OUT MBK	Mounting brackets for outdoor unit

Microsemi

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