PDS-104GO

4 + 1 Outdoor Switch, 60W Per Port, Managed PoE, AC Input

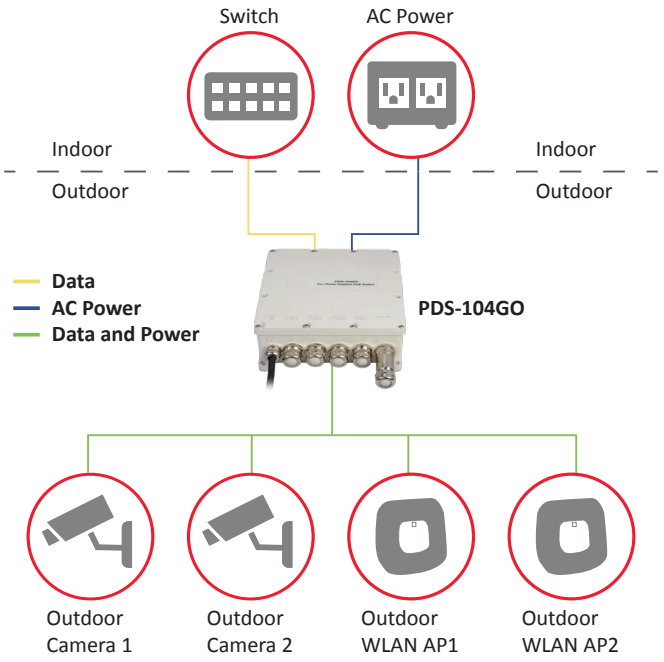
Summary

The PDS-104GO is an outdoor PoE switch that enables the connection of four powered devices to a network such as an outdoor WLAN, outdoor IP camera, or outdoor P2P radio. With VLAN and RADIUS support, the PDS-104GO brings improved security and performance. It provides better safety through centralized management of user profiles and authorized system access. By regulating network traffic in each VLAN, the switch offers increased network performance. The switch offers an SFP port for uplink in order to support optical interfaces or electrical interfaces. It is IP66-rated and can be installed in outdoor environments. There is no need to open the unit during installation. Deployment is simple and straight-forward. The PDS-104GO delivers PoE power of up to 60W per device. In addition, it enables remote monitoring and control of the devices' status, including remote reset. The switch extends the reach between the switch and powered devices by an additional 100 meters, to a maximum of 200 meters—a major benefit in many applications. It offers lightning protection to the switch itself and to the indoor network.

Key Features

- Five ports: one SFP data input, four PoE outputs
- VLAN tagging: access/trunk
- Authentication, authorization and accounting: RADIUS and TACACS
- Remotely managed: SNMP and web
- Extends network reach by additional 100m
- Outdoor rated: IP66
- Extended temperature range: –40ºC to 50ºC
- IEEE 802.3at-compliant, 60W per port
- Supports 10/100/1000 Mbps data rates
- Integral surge protection
- Plug-and-play installation
  (installer does not have to open unit)

PDS-104GO



MICROCHIP

Specifications

Feature	Description
Number of ports	5
Data rates	SFP: 1000 mbps modules Copper: 10/100/1000 mbps
Power over Ethernet output	Pin Assignment and Polarity: Ports 1 and 2: 1/2, 3/6, 4/5, and 7/8 Ports 3 and 4: 1/2 and 3/6
User port power	60 W per port, 150 W total
Input power requirements	Input voltage: 100 VAC–240 VAC Input current: 2.5 A
Dimensions	240 mm × 166 mm × 72 mm 8.42 in × 5.90 in × 2.75 in
Weight	2.9 kg
Indicators	No LED indicators
Connectors	Shielded RJ-45, EIA 568A, and 568B
	SFP Cage
Environmental conditions	Operating ambient temperature: –40 °F to 122 °F (–40 °C to 50 °C) for 150 W
	Operating humidity: maximum 90%, non-condensing
	Storage temperature: –40 °F to 185 °F (–40 °C to 85 °C)
	Storage humidity: maximum 95%, non-condensing
	Operating altitude: Up to 6,560 feet (2000 m)
	Weather rating: IP66, NEMA 4X
Reliability	MTBF: 200,000 hours at 25 °C
Thermal rating	41 BTU/Hr (at 240 VAC)
Warranty	3 years
Regulatory compliance	IEEE 802.3at (PoE), RoHS-compliant, WEEE-compliant, CE
Electromagnetic emission and immunity	FCC Part 15, Class B EN 55032 Class B EN 55024, EN61000-4-5 Class 5 (6 kV CM) EN 61000-3-2 EN 61000-3-3 VCCI
Surge protection	GR-1089-CORE Issue 4 ITU-T K.20 6 kV on AC lines
Safety approvals	UL 60950-1, EN 60950-1, IEC 60950-1 UL 60950-22, EN 60950-22, IEC 60950-22 UL 62368-1, EN 62368-1, IEC 62368-1
Other standards and approvals	Dust and water intrusion: IEC60529, Level IP66; NEMA 250

Management Capabilities

Feature	Description
System network management capabilities	Web interface—used to view unit PoE and Network status, unit configuration, and unit production information.
	SNMP v2/v3—used to monitor unit over the network (MIB-II RFC1213) and monitor/configure unit PoE capabilities (RFC3621).
	Telnet—used to view unit PoE and Network status, unit configuration, and production information. Software update, Enable/Disable PoE functionality, ping remote network device for connectivity test.
	SNMP traps—used to report various PoE events as PoE PD insertion/removal.
	SysLog—used to report PoE events, invalid remote user access, initial DHCPv4/v6 address, and so on.
Ethernet switch network capabilities	10/100/1000 Mbps half-duplex/full-duplex Ethernet speed.
	8K internal MAC address lookup engine.
	Auto MDIX.
	Jumbo frames.
PoE capabilities	IEEE 802.3at—delivers up to 60 Watts per port—view and statues.
	PoE enable/disable—enable/disable PoE port power output (Ethernet data is always enabled).
	Weekly schedule—automatic activation/deactivation of PoE ports based on time of day.
	Remote device reset—turning temporary device power off and back on resets attached PD device..
Configuration options	Web-based—configured using a web browser.
	SNMPv1/2c/3—configured using an SNMP management application on a remote computer.
	Telnet—configured using a Telnet application on a remote computer.
Security and user authentication	Web, Telnet, SNMPv2 and SNMPv3. VLAN, RADIUS, and TACACS.

4 + 1 PoE Outdoor Switch

Related Product

Part Number	Name	Description
PD-OUT/MBK/S	OUT/MBK/S	Mounting brackets for outdoor unit

Ordering Information

Part Number	Name	Description
PDS-104GO/AC/M-CC	PDS-104GO	4 + 1 PoE outdoor switch

DS00003529C