

8-port Industrial Gigabit PoE Switch

Managed Layer 2 PoE Switch



System Overview

The DH-PFS4210-8GT-DP is an 8-port Gigabit PoE Industrial Switch supports the IEEE 802.3af/at standard. Two of the ports support Hi-PoE to provide 60 W via a single port. The switch DH-PFS4210-8GT-DP is a Layer 2 managed industrial PoE switch and supports Web, SNMP and also CLI network management. The switch also supports ring network redundancy using standard STP/RSTP/MSTP protocols and also supports rich features such as VLAN, Link Aggregation, Port Mirroring, Flow Control, IGMP Snooping, SNMP, ROMN, ACL, QoS, and Static IP Routing.

The switch is IP40-rated and DIN-rail mountable. It supports dual power input for power redundancy and wide working temperature range. The switch also provides high EFT and ESD protection for industrial networking applications such as outdoor security surveillance, ITS, power, factory and other outdoor or harsh environments.

Technical Specification

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|------------------------|---|
| Ethernet Ports | |
| Console Port | Command Line Interface (CLI) Port for Web configuration |
| Uplink Ports | Two (2) 1000 Base-X Ports |
| Downstream Ports | Eight (8) 10/100/1000 Base-T Ports (PoE Power Supply) |
| PoE Features | <ul style="list-style-type: none"> IEEE802.3af, IEEE802.3at: Ports 3 to 10 Consumption: Up to 30 W per port Hi-PoE: Ports 1 and 2 Consumption: up to 60 W per port Total PoE Budget: ≤ 120 W |
| PoE PIN Assignment | 1, 2 (V+), 3, 6 (V-) 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-) |
| Switching Capacity | 28 Gbps |
| Packet Forwarding Rate | 14.88 Mpps |
| Packet Buffer Memory | 4 MB |

- Layer 2 Managed Industrial PoE Switch
- Supports IEEE802.3af, IEEE802.3at, and Hi-PoE (60 W) Standards
- Supports STP/RTSP/MSTP for Network Redundancy
- Rich L2 Features, Including: VLAN, Link Aggregation, IGMP Snooping
- Web, SNMP, and CLI Management
- Ability to Daisy Chain Positive Terminals
- IP40 Ingress Protection, Fully-sealed Metal Enclosure
- Dual Power Input for Power Redundancy
- Wide Temperature Range for Industrial Applications
- New Limited Lifetime Warranty¹

Electrical

| | | |
|--------------------|--------------------------------|---------|
| Power Requirements | 48 VDC to 57 VDC, 2.6 A to 3 A | |
| Power Consumption | Static | ≤ 6 W |
| | Full Load | ≤ 120 W |

Environmental

| | |
|----------------------|------------------------------------|
| Working Temperature | -40° C to 75° C (-40° F to 167° F) |
| Application Humidity | 10% to 90% |

Interface

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|----------------------|---|
| RS232 Serial Console | One (1) Port |
| RS485 | Two (2) Ports (9600 Baud Rate, TCP/UDP) |
| I/O | One (1) Input One (1) Output |

Construction

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|------------------------|---|
| Dimensions (W x D x H) | 175.0 mm x 134.0 mm x 53.0 mm (6.89 in. x 5.28 in. x 2.09 in.) |
| Weight | 1.25 kg (2.76 lb) |
| Mounting | DIN-rail |

Certifications

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|-------------------------------------|--|
| Safety | EN 60950-1:2006+A11:2009+A1:2010+A12:2001+A2:2013 |
| Electromagnetic Compatibility (EMC) | FCC CFR 47 Part 15 subpart B EN 55024:2010+A1:2015, EN 55032:2015, EN50130-4:2011+A1:2014, EN 55035:2017 EN 6100-3-3:2013, IEC 61000-3-2:2014, IEC 61000-3-3:2013, |
| Lightning Protection | Common Mode: 6KV Differential Mode: 4KV |
| Ingress Protection | IP40 |

1. New switch warranty period is extended to two years after end of sale date.

| Service Characteristics | |
|-------------------------|---|
| MAC Address Table | 8K |
| NTP | Support |
| DHCP | DHCP Client/Server DHCP Snooping |
| VLAN | 802.1Q |
| Port Aggregation | Manual Aggregation / LACP |
| Port Mirroring | Many-to-One |
| Flow Control | <ul style="list-style-type: none"> Half-duplex Based on Back Pressure Type Control Full-duplex Based on PAUSE Frame |
| Multicast | IGMP Snooping v1, v2, v3 |
| Security | <ul style="list-style-type: none"> User Management SSH HTTPS SNMP v1, v2, v3 ROMN ACL IP Source Guard ARP Inspection 802.1x Loop Protection |
| Spanning Tree | STP/RSTP/MSTP |
| LLDP | Support |
| Quality of Service | <ul style="list-style-type: none"> QoS Based on CoS, DPL, PCP, DEI 8-output Queue (each port) Port Shaping Port Tag Remarking QoS Based on DSCP |
| System Maintenance | <ul style="list-style-type: none"> Configuration File Upload/Download Firmware Upgrade System Logs |
| Network Management | <ul style="list-style-type: none"> HTTP Protocol SNMP CLI |

| Ordering Information | | |
|------------------------|-------------------|---|
| Type | Part Number | Description |
| PoE Switch | DH-PFS4210-8GT-DP | 8-port Industrial Managed PoE Switch |
| Accessories (optional) | PFT3950 | 1.25 GB, 850 nm, 500 m, LC, Multi-mode |
| | PFT3960 | 1.25 GB, 1310/1550 nm, 20 km, LC, Single-mode |
| | PFT3970 | 1.25 GB, 1550/1310 nm, 20 km, LC, Single-mode |

Dimensions (mm)

