

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.

Technical Specification

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

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

Construction

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

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)	GSFP-850-MMF	1.25 GB, 850 nm, 500 m, LC, Multi-mode
	GSFP-1310T-20-SMF	1.25 GB, 1310/1550 nm, 20 km, LC, Single-mode
	GSFP-1310R-20-SMF	1.25 GB, 1550/1310 nm, 20 km, LC, Single-mode

Dimensions (mm)

