

DH-PFS4204-2GT-DP

4-Port Gigabit Industrial Switch with 2-Port Gigabit PoE (Managed)



System Overview

The device is a layer-2 switch. Equipped with high performance switching engine and large buffer memory, it features low transmission delay and high reliability. The solid and sealed all-metal case design and efficient surface heat dissipation make it can work in the environment from –40 °C to +75 °C. The protection for power input end overcurrent, overvoltage and EMC can effectively resist the interference from static electricity, lightning, and pulse. Redundant power supply guarantees stable operation for the system. With Telnet, WEB management, SNMP and other functions, the device can be remotely managed. It can directly connect to iLinks-View.

Functions

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing or turning on the WEB page switch. It enables the switch to automatically detect port status and restart failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its truest sense, effectively reducing manual maintenance costs.

Long-distance PoE

By dialing or enabling long-diatance transmission on the WEB interface, the transmission distance of a PoE port can be up to 250 m, meeting the requirements of wired transmission (bandwidth reduced to 10 Mbps).

Red Port 90W

The red ports support IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt standards, with a maximum output power consumption rate of 90W per port. Suitable for powering high-power devices.

Wide Operating Temperature

Supports working in temperatures between-40 °C to +75 °C. It has built-in professional mine-proof circuits, which effectively reduce the impact of thunderstorms on network systems and improves system robustness, allowing it to readily adapt to harsh environments.

- * The parameters and datasheets below can only be applied to V2.0 (version 2.0)
- · All-gigabit port design.
- Supports IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt (red port) standards
- · 250 m long-distance PoE transmission (10 Mbps).
- · PoE Watchdog.
- · Supports STP, RSTP, and MSTP.
- · IEEE802.1Q-based VLAN configuration.
- · Manual link aggregation and static LACP.
- · Desktop mount and DIN-rail mount.













Redundant Power Supply

Redundant power supply ensures that the device is still powered when one power port malfunctions, vastly improving device reliability.

Fast Loop Convergence

Supports ERPS protocol to provide loop protection. Convergence time can be no more than 50 ms when a link disconnection occurs.

Scene

The device is applicable for use in different scenarios, including corridors and offices.

Technical Specification

Hardware

Included Power Adapter	No
PoE	Yes
Ethernet Port	2
Optical Port	2
Ethernet Port Speed	10 Mbps/100 Mbps/1000 Mbps
Optical Port Speed	1000 Mbps
Console Port	1
Power Supply Mode	48 V–57 V DC
Operating Temperature	-40 °C to +75°C (-40 °F to +167 °F)
Operating Humidity	10%-90% (RH)
Power Consumption	Idling: ≤ 9 W Full load: 120 W

Performance

Layer	12
Layer	LZ

Industrial PoE Switch | DH-PFS4204-2GT-DP

Switching Capacity 14 Gbps Packet Forwarding Rate 5.95 Mpps Packet Buffer Size 1.75 Mbits Communication Standard 1EEE 802.3; IEEE 802.3v; IEEE 802.3	Managed	Yes
Packet Buffer Size 1.75 Mbits Communication Standard IEEE 802.3i; IEEE 802.3u; IEEE 802.3ab; IEEE 802.3x; IEEE 802.3ab; IEEE 802.3x; IEEE 802.3ab; IEEE 802.3x; IEEE 802.3ab; IEEE 802.	Switching Capacity	14 Gbps
Communication Standard IEEE 802.3; IEEE 802.3u; IEEE 802.3ab; IEEE 802.3x; IEEE 802.3x; IEEE 802.3x; IEEE 802.3x; IEEE 802.3x; IEEE 802.3x; IEEE 802.3ab; IEEE 802.3x; IEEE 802.3ab; IE	Packet Forwarding Rate	5.95 Mpps
MAC Table Size MAC Table Size POE POE Protocol BEEE 802.3af (PoE); IEEE 802.3at (PoE+); Hi-PoE; IEEE 802.3bt PoE Protocol BEEE 802.3af (PoE); IEEE 802.3at (PoE+); Hi-PoE; IEEE 802.3bt PoE Power Pot 1-2:≤90 W Total:≤120 W Power consumption Management PoE power on and off Power off when PoE power is overloaded Green PoE PoE Pin Assignment 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-) Long Distance PoE Transmission Jumbo Frame 9,000 bytes Spanning Tree Protocol STP; RSTP; MSTP; ERPS VLAN Function Yes Flow Control Link Aggregation Static link aggregation; LACP Port Mirroring Multiple-to-one port mirroring Multicast Yes DHCP Client DHCP-Server DHCP-Senoping BEEE 802.1x ACL Loop protection CoS-based QoS 8 output queue for each port Port shaping DSCP-based QoS 8 output queue for each port Port shaping DSCP-based QoS Maintenance Uploading/downloading configuration files Online upgrade System logs Device Management Web (HTTP and HTTP protocol); SNMP V1/V2C/V3 General Statics Protection Camon mode: 6 kV Differential mode: 4 kV Net Weight 0.60 kg (1.3 lb) Gross Weight Product Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L Parking Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L	Packet Buffer Size	1.75 Mbits
PoE Protocol IEEE 802.3af (PoE); IEEE 802.3at (PoE+); Hi-PoE; IEEE 802.3bt PoE Protocol S02.3bt PoE Power Port 1-2: ≤ 90 W Total: ≤ 120 W PoE Power Consumption PoE power on and off Power off when PoE power is overloaded Green PoE PoE Pin Assignment 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-) Long Distance PoE Transmission Jumbo Frame 9,000 bytes Spanning Tree Protocol STP; RSTP; MSTP; ERPS VLAN Function Yes Flow Control IEEE 802.3X-based flow control (full-duplex) Link Aggregation Static link aggregation; LACP Port Mirroring Multiple-to-one port mirroring Multicast Yes DHCP Function DHCP client DHCP-Server DHCP-Snooping Security ACL Loop protection CoS-based QoS 8 output queue for each port Port Shaping DSCP-based QoS System logs Device Management Web (HTTP and HTTP protocol); SNMP V1/V2C/V3 General Statics Protection Common mode: 6 kV Differential mode: 4 kV Net Weight 0.60 kg (1.3 lb) Gross Weight 0.80 kg (1.8 lb) Product Dimensions 254 mm × 187 mm × 135 mm (3.7" × 2.11" × 5.31") (1.2 W × H) Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Dimensions 254 mm × 187 mm × 101 mm (10.0" × 7.4" × 4.0") (L. Packing Di	Communication Standard	
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Packing Limensions	Product Dimensions	
	Packing Dimensions	

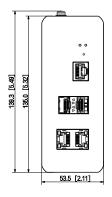
Transmission Performance:				
	supply voltage 53V. Max. DC resistance < 10 Ω/100 m			
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)		
IEEE802.3b	t 90 W			
100	71.3	1000		
150	62	10		
200	51	10		
250	40	10		
Hi-PoE 60 W				
100	53	1000		
150	50	10		
200	47	10		
250	37	10		
IEEE802.3a	t 30 W			
100	25.5	1000		
150	25.5	10		
200	25.5	10		
250	25.5	10		

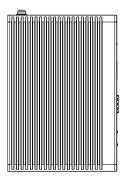
Ordering Information				
Туре	Model	Description		
SFP module	GSFP-1310T-20-SMF	1.25G 1310/1550nm,20km,LC, Single-mode		
	GSFP-1310R-20-SMF	1.25G 1550/1310nm,20km,LC, Single-mode		
	GSFP-1310-20-SMF	1.25G 1310nm,20km,LC, Single-mode		
	GSFP-850-MMF	1.25G 850nm,550m,LC, Multi-mode		
DIN-Rail Power Supply	DRL-48V120W1AA	120W, 100VAC~240VAC-48V2.5A		

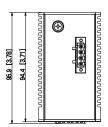
Note: Data from this table was collected by Dahua test lab and is for reference only . The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

Note: This product does not include a power adapter, the power adapter needs to be purchased separately to use with the product.

Dimensions (mm[inch])







Installation

