

DH-PFS4412-8GT-DP

8-Port PoE Industrial Gigabit Managed Switch



Product Overview

The industrial managed switch is specially developed and designed for transmission and application in harsh environment. High-performance exchange engine and large cache realize data realtime transmission and lossless etc. Solid and sealed all-metal case design, low power consumption, fanless and efficient surface heat dissipation makes it work in the environment from -40°C to $+85^{\circ}\text{C}$, power input end overcurrent, overvoltage, EMC and RJ45 protection can effectively resist the interference from static, lightning and pulse. Redundant power input and alarm functions provide multiple guarantees for reliable operation of the system. The industrial security switch is equipped with powerful network management function, network management system supports CLI, Telnet, Web and network management software which is based on SNMP.

Features

- EMC high protection and lightning protection design.
- Large data cache, lossless, realtime transmission.
- 48V DC wide voltage design.
- IP40 full metal enclosure, fully-sealed and dustproof design.
- $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$ wide temperature design.
- Network management based on SNMP.
- Lightning protection up to level 4.

Technical Specifications

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Model	DH-PFS4412-8GT-DP
Ethernet Port	8*10/100/1000 Base-T (PoE power supply)、 4*1000 Base-X
PoE Power Consumption	Each power ≤30W, Total≤120W
PoE Protocol	IEEE802.3af、 IEEE802.3at
Switching Capacity	24Gbps
Packet Forwarding Rate	17.856Mpps
Packet Buffer Memory	2M
Application Humidity	5%~95%
Power	DC48V
Lightning Protection	IEC61000-4-2 : ±8kV (contact), ±15kV (air) IEC61000-4-4 (EFT) : Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge) : Power Port: ±2kV/DM, ±4kV/CM;
Working Temperature	-40℃~85℃
Weight	Weight: ≤ 0.95kg
Dimension(W×D×H)	Dimension: 44.5mm x 100mm x 169mm

Service Characteristics

Model	DH-PFS4412-8GT-DP
System	Username / password: admin/admin
	IP Address :192.168.1.110/24
PoE Budget	120W
MAC Table	4K
VLAN	802.1Q Standard VLAN
Bandwidth management	Port speed limit in&out direction
Speed limit granularity	0~1G, Step 100Kbps
Extension loopback	Support based on port
Port Aggregation	Manual aggregation/LACP
Spanning tree protocol	Support STP, RSTP, MSTP
Industrial ring network	Support ERPS, ring network protection switching time < 20ms
Security	Support access management
	Support RMON
	Support 802.1X authentication
Multicast	Support IGMP Snooping

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	Support MLD Snooping	
QOS	Support QOS flow classification	
	Support QOS priority trust	
	Support 4 QOS queues	
	Support QOS queue scheduling	
	Support QOS flow strategy	
Storm restraint and port speed limit	64K	
OAM	802.3ah	EFM
	802.1ag	CFM
Storm restraint	Support broadcast, multicast, unknown unicast	
	Support Storm restraint based on global	
ACL	Support ACL based on MAC	
	Support ACL based on IP	
	Support ACL based on VLAN	
	Support 256 ACL items	
EMS management system	DH-ems cluster management system	
Command line management	Support Console、Telnet	
Network Management	Support SNMP network management	
	Support WEB management	
System upgrade	Support upgrade via Xmodem in BOOTROOM mode	
	Support TFTP upgrade	
User management	User classification and password protection, port isolation, broken fiber alarm, power failure alarm	
System maintenance	Optical module diagnosis, ping, port statistics	

Accessories

Model	
PFT3950	1.25G 850nm,500m,LC, Multi-mode
PFT3960	1.25G 1310/1550nm,20km,LC, Single-mode
PFT3970	1.25G 1550/1310nm,20km,LC, Single-mode

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*Design and specifications are subject to change without notice.

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