

4-port Industrial Gigabit PoE Switch

Unmanaged PoE Switch



- High EMC and Lightning Protection
- Non-blocking Video Transmission
- 4K MAC Address List Capacity
- Supports the IEEE802.3af and the IEEE802.3at Standards
- Level 4 Lightning Protection
- Sealed Metal Enclosure, Dustproof Design
- IP40 Ingress Protection
- Designed for Extreme Temperature Environments

System Overview

The DH-PFS3106-4GT-DP is a 4-port industrial Gigabit PoE Ethernet switch, which supports the IEEE802.3 af/at standards. The switch is enclosed in a solid metal housing and is designed for extreme temperature environments. The unit offers over-current, overvoltage, EMC, and RJ45 protection that resists interference from static and lightning.

Technical Specification

Ethernet Ports	One (1) 10/100/1000 Base-T Port One (1) 1000 Base-X Port Four (4) 10/100 Base-T Ports (PoE Power Supply)
PoE Features	<ul style="list-style-type: none"> • Protocol: IEEE802.3af, IEEE802.3at • Consumption: Up to 30 W per Port • Total PoE Budget¹: 100 W
Switching Capacity	12 Gbps
Packet Forwarding Rate	8.93 Mpps
Packet Buffer Memory	1 MB
MAC Table Size	4K
Power Requirements	45 VDC to 57 VDC
Operating Temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Application Humidity	5% to 95%
Lightning Protection	IEC61000-4-2: ±8 KV (contact), ±15 KV (air) IEC61000-4-4 (EFT): Power Port: ±4 KV; Data Port: ±2 KV IEC61000-4-5 (Surge): Power Port: ±2 KV/DM, ±4 KV/CM
Dimensions (W x D x H)	135.0 mm x 90.0 mm x 30.0 mm (5.31 in. x 3.54 in. x 1.18 in.)
Weight	0.50 kg (1.10 lb)
Ingress Protection	IP40
Lightning Protection	Level 4

Certifications

Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2001+A2:2013 UL 60950-1 + CAN/CSA C22.2 No. 60950-1-07
Electromagnetic Compatibility (EMC)	FCC CFR 47 Part 15 subpart B EN 50130-4:2011, EN 55022:2010/AC:2011, EN 55024:2010, EN 55032:2012+AC:2013, EN 6100-3-2:2014, EN 6100-3-3:2013, IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010, IEC 61000-4-4:2005, IEC 61000-4-5:2005, IEC 61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11:2004

Ordering Information

Type	Part Number	Description
PoE Switch	DH-PFS3106-4GT-DP	4-port Industrial Gigabit PoE Switch
Accessories, optional	PFT3950	1.25 G, 850 nm, 500 m, LC, Multi-mode
	PFT3960	1.25 G, 1310/1550 nm, 20 km, LC, Single-mode
	PFT3970	1.25 G, 1550/1310 nm, 20 km, LC, Single-mode

1. Log into the switch to configure PoE budget management parameters.