

# 8-port Gigabit Ethernet PoE Switch

## Layer 2 Commercial Switch



- Layer 2 Commercial Switch
- Long-distance PoE (LD PoE) Transmits Power and Data 250 m (820 ft)
- Conforms to IEEE802.3, IEEE802.3u and IEEE802.3X
- Conforms to IEEE802.3af and IEEE803.3at
- Supports Hi-PoE (60 W)
- MAC Auto-learning and Aging; 8K MAC Address Capacity
- MDI/MDIX Self-adaptation
- Metal Enclosure

### System Overview

The DH-PFS3008-8GT-96 commercial PoE switch is specially designed for long-distance video transmission applications. The switch uses LD PoE technology to transmit power and data up to 250 m (820 ft). LD PoE extends transmission distances beyond the industry-standard 100 m, even with third-party PoE-compliant cameras. The switch provides eight (8) Gigabit Ethernet PoE ports and supports Layer 2 network management and PoE management with high-speed data forwarding.

### Technical Specification

Ethernet Ports	Eight (8) 10/100/1000 Mbps PoE Ports
PoE Features	<ul style="list-style-type: none"> <li>• Protocol: IEEE802.3af, IEEE802.3at, Hi-PoE</li> <li>• Consumption: <ul style="list-style-type: none"> <li>Port 1: ≤ 60 W (Hi-PoE)</li> <li>Ports 2-8: ≤ 30 W per Port</li> </ul> </li> <li>• Total PoE Budget: 96 W</li> </ul>
Switching Capacity	20 Gbps
Packet Forwarding Rate	11.90 Mpps
Packet Buffer Memory	1.50 MB
MAC Table Size	8K
Flow Control	Enabled (by default)
Power Requirements	48 VDC to 57 VDC
Working Temperature	-10° C to 55° C (14° F to 131° F)
Application Humidity	10% to 90%
Dimensions (W x D x H)	190.0 mm x 100.0 mm x 30.0 mm (7.48 in. x 3.94 in. x 1.18 in.)
Weight	0.49 kg (1.08 lb)

### Certifications

Safety	UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07
Electromagnetic Compatibility (EMC)	FCC CFR 47 FCC Part 15 Subpart B Conforms to CE Standards
Lightning Protection	Common Mode: 2KV Differential Mode: 0.5KV

### Ordering Information

Type	Part Number	Description
PoE Switch	DH-PFS3008-8GT-96	8-port Layer 2 Commercial Gigabit 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