

# 8-port Fast 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; 16K MAC Address Capacity
- MDI/MDIX Self-adaptation
- Metal Enclosure
- New Limited Lifetime Warranty<sup>1</sup>

### System Overview

The DH-PFS3010-8ET-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) 10/100 Mbps PoE ports and two (2) 1000 Mbps uplink ports. The switch is also equipped with two transmission modes, Default and Extend, that are set by on-board dip switches.

### Technical Specification

Ethernet Ports	Eight (8) 10/100 Mbps PoE Ports Two (2) 10/100/1000 Mbps 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</li> <li>Ports 2-8: ≤ 30 W per Port</li> </ul> </li> <li>• Total PoE Budget: 96 W</li> </ul>
Switching Capacity	5.6 Gbps
Packet Forwarding Rate	4.17 Mpps
Packet Buffer Memory	4 MB
MAC Table Size	16K
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 Certification Pending
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-PFS3010-8ET-96	8-port Layer 2 Commercial PoE Switch

1. New switch warranty period is extended to two years after end of sale date.