

Industrial PoE Switch

F-SW1010



Introduction

The product has 8 x 10/100M ethernet LAN port, 1 x 10/100/1000M Base-T ethernet port and 1 x 1000M BaseSFP slot. F-SW1010 can be used for connecting multiple servers, hubs, repeaters and devices provides long distance data and power (PoE version) transmission. F-SW1010 has been widely used in the M2M industry of the IoT industrial chain such as smart grid, intelligent transportation, finance, and etc.



Industrial-grade Design

- ▶ Metal casing, IP40 protection level, suitable for most industrial control applications.
- ▶ Wide range operating temperature (-40°C~75°C)
- ▶ Wide range power input (DC 9~36V)



Stability & Reliability

- ▶ High-speed forwarding ensure data transferred in real-time without blocked
- ▶ Power using terminal block interface with overload current and reverse polarity protection



Standard & Convenience

- ▶ Support IEEE 802.3/802.3U/802.3x flow control
- ▶ Support DIN-Rail mounting
- ▶ Support POE (Optional)

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High Performance

- ▶ Support 10/100M adaptive ethernet ports, support auto MDI/MDI-X, PoE (Optional)
- ▶ Support 1000M BaseSFP slot
- ▶ Support 10/100/1000M Base-T Ethernet Port

Product Specification

Standard	
Items	Contents
Ethernet Standard	IEEE802.3 (10 Base-T)
	IEEE802.3u (100Base-TX & 100Base-FX)
	IEEE802.3z (1000Base-TX & 1000Base-X)
	IEEE802.3x (Flow control)
Interface	
Items	Contents
SFP Slot	Number: 1
	Type: SFP LC, single/multi-mode (Optional)
	Rate: 1000Base-X
1000M Ethernet Port	Number: 1
	Type: RJ45
	Rate: 10/100/1000M Adaptive
Power	5.08mm Terminal Block Interface
Transmission Distance	
Items	Contents
Ethernet Cable	100m (Standard CAT5/CAT5e)
	250m (CAT6)
Optical Fiber	Support single/multi-mode fiber
	Multi-mode: 550m
	Single-mode: 20/40/60/80/100Km
Power	
Items	Contents
Input Power	DC9~36V, 40~60V (PoE Version)
Consumption	<5W, PoE Version <120W
Interface	5.08mm Terminal Block Interface
	Overload current and reverse polarity protection

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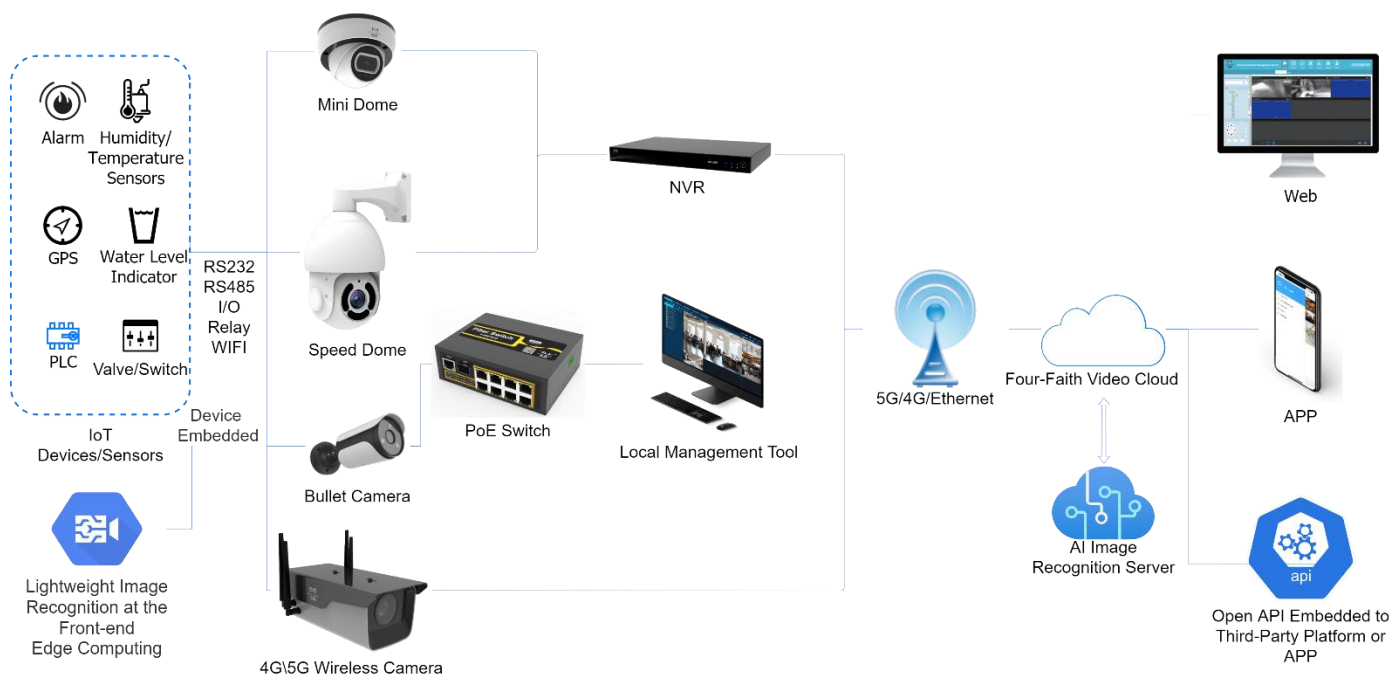


Characteristics	
Items	Contents
Application Level	2
Processing Type	Store-and-forward
Backplane Bandwidth	3.6Gbps
Packet Forwarding Rate	2.68Mbps
Mac Table Size	2K
Operating Environment	
Items	Contents
Operating Temperature	-40 °C ~75 °C
Relative Humidity	0~90% (Non-condensing)
Others	
Items	Contents
IP Rating	IP30
Weight	490g
Dimension	134.8x115.7x45mm
Warranty	1 year
Standards	
Items	Contents
EMS	EN61000-4-2 Level 3
	EN61000-4-3 Level 3
	EN61000-4-4 Level 3
	EN61000-4-5 Level 3
	EN61000-4-6 Level 3
	EN61000-4-8 Level 4
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6

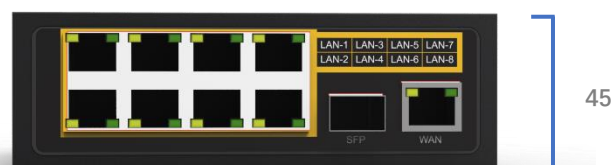
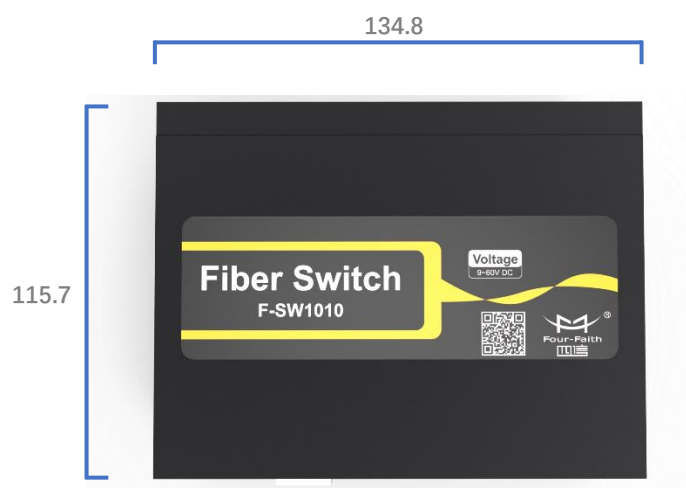
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Topology



Dimension (mm)



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Order Information

Models	Description
F-SW1010-SF	8 x 10/100M LAN ports 1 x 10/100/1000 WAN ports, 1 x SFP port
F-SW1010-8P-SF65W	8 x 10/100M LAN ports with maximum 120W PoE supply 1 x 10/100/1000 WAN ports, 1 x SFP port
F-SW1010-8P-SF120W	8 x 10/100M LAN ports with maximum 120W PoE supply 1 x 10/100/1000 WAN ports, 1 x SFP port

Naming Convention

F-SW1010-8P-SF120W

Port Number: 10

PoE Number: 8

Functions:

SF - with SFP port
SP - with SFP+ port
120W- POE Power