

## Mini Industrial 1\*100/1000Base-X SFP to 4\* 10/100/1000Base-T PoE Ethernet Switch

This quick start guide describes how to install and use the Hardened Ethernet switch. This is the Ethernet switch of choice for harsh environments constrained by space.

### Overview

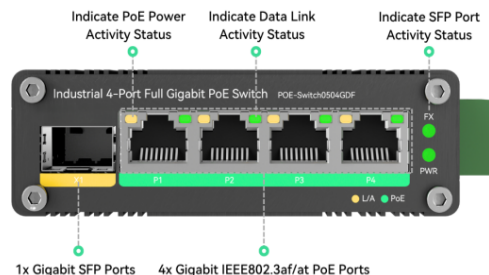
This is 4 ports 10/100/1000Base-TX + 1 port 100/1000Base-X Hardened Ethernet switch. The Switch has 4 TP ports and 1 fiber ports. TP (RJ45) supports 10/100/1000Base-T (X), Full/Half duplex mode, and auto MDI/MDI-X connection; 100/1000Base-X SFP supports 1 or 2 core Single-mode or Multi-mode fiber. With its reliable design and ease of use, the product is a great choice for integrating networks consisting of network devices such as IP cameras and wireless access points between remote locations.

### General

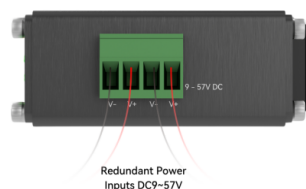
To ensure trouble free transportation and storage, all products must be thoroughly inspected, tested and properly packed before delivery. Check the product upon receipt for any visible damage which may have been caused during shipment.

### Physical Description

#### Front Panel



#### Rear Panel



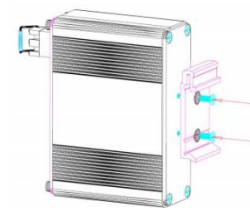
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### Package

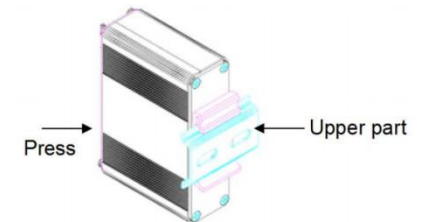
- Industrial Ethernet switch x 1
- Quick Start Guide x 1
- L-shaped wall mount bracket x 1

### DIN Rail Installation

The device can be installed on a DIN rail. Installation steps are as follows:



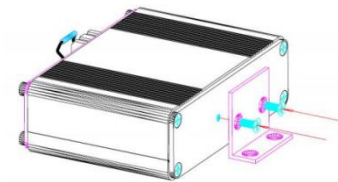
1. Tighten the screws to fix the DIN Rail plate



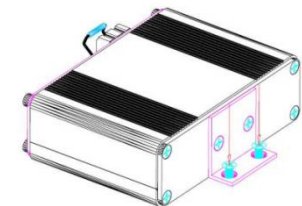
2. Lock the upper part of the DIN rail clip on the upper side of the track. Gently press it until the clip is securely locked on the track.

### Wall Mount Installation

This device can also be installed on a wall or a flat surface. Installation steps are as follows:



1. Tighten the screws to fix the wall mount bracket



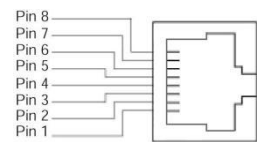
2. Mount the switch on the wall or on a flat surface with 2 screws piercing through the mounting holes to secure it in position.

Setup

- a) Connect the Ethernet port of the switch to a IP camera (PoE device) or network device with a network cable.
- b) Connect the fiber cable from the device (media converter or switch) on the other end to the SFP port of the converter.
- c) After the device is powered on, the PWR indicator will all be on. If the indicators are not on, check the power supply connection.
- d) After all cables are correctly connected, the indicators will be lit as per port status LEDs .

Interface

RJ-45 Pin Assignment



Pin	Signal Name
1	TP0+ Positive (VCC+)
2	TP0- Positive (VCC+)
3	TP1+ Negative (VCC-)
4	TP2+
5	TP2-
6	TP1- Negative (VCC-)
7	TP3+
8	TP3-

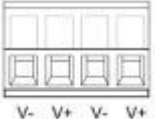
The Port Status LEDs

LED	State	Indication
PWR	On	Power on.
	Off	Power off.
FX	On	Fiber connection ok.
	Off	Fiber not connected.
L/A (RJ45)	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT Stands for Activity.
PoE	Steady	A Power device (PD) is being detected.
	On	PoE is activated.
	Off	No device is connected or the connected device is not a PD.

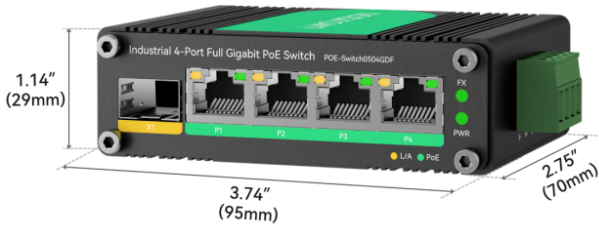
Cable Connection

Signal Type	Cable Type	Connector
Ethernet	Cat.5 or above	RJ45
Power supply	Power cable	4-pin Terminal Block

Power Connection

Pin	V -	V +	
Description			
Power Input	GND	+9~57VDC	

Dimension drawing ( Unit: mm )



Functional Description

- 4 \*10/100/1000Base-TX+ 1 \*100/1000Base-FX
- 10/100/1000Mbps RJ45 Port Supports Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- Supports 802.3x Flow control
- 9K Bytes Jumbo Frame
- Redundant Power Inputs
- Supports Wall-mount and DIN-Rail installation
- -40°C to 80°C (-40°F to 176°F) operating temperature