



Industrial Management Ethernet Switch



## User's Manual

( POE Optional)

User: admin Password:null IP add:192.168.10.12

## 1, Introduction:

The industrial Ethernet Switch is a cost-effective solution and meets the high reliability requirements demanded by industrial applications.

### 1.1 High-Speed Transmissions

The Industrial Ethernet Switch including 10/100Mbps and 10/100/1000M bps . The RJ-45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a crossover cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism. This assures that data is properly transmitted

#### 1.1.2 Dual Power Input

The industrial Ethernet Switch offer redundant power input design is with power reserve protection to prevent the switch device broken by wrong power wiring.

### 1.3 Flexible Mounting

The industrial Ethernet Switch is extremely compact (4 7 x 1 8 1 x 1 4 6 ) and can be mounted on a DIN-rail or a panel, so it is suitable for any space-constrained environment.

### 1.4 Advanced Protection

The industrial Ethernet switch supports up to 3,000 VDC surge protection for power line, and also supports 4000V ESD for each port.

### 1.5 Wide Operating Temperature

The operating temperature of the industrial Ethernet Switch is between -40°C ~ 85°C With such a wide range, you can use the Ethernet Switch in some of the harshest industrial environments that exist

## 2, Features:

### 2.1 Physical Port

SEPC	DATA RATE	FIBER PORTS	UTP PORTS
2GX+ 8UTP	10/100/1000M	2* FIX/SFP	8* UTP
4GX+ 8UTP	10/100/1000M	4* FIX/SFP	8* UTP
8GX+ 8 UTP	10/100/1000M	8* FIX/SFP	8* UTP
2SFP+4GX+8UTP	10/100/1000M	6* FIX/SFP	8* UTP
2GX+ 16UTP	10/100/1000M	2* FIX/SFP	16* UTP
8 SFP+	10/100/1000M	8* SFP+	8* UTP
24+8+4	10/100/1000M	24*SFP+4SFP+	8* UTP
16+8+4	10/100/1000M	8*SFP+4SFP+	24* UTP
12GX +12UTP	10/100/1000M	12*SFP	

### 2.2 Features

- Supports full/half duplex flow control
- Supports store and forward transmission
- Supports auto-negotiation
- Supports MDI/MDI-X auto crossover
- Provides surge protection (EFT) 3,000 VDC for power line
- Supports 4,000 VDC ESD protection for Ethernet
- Supports +10 ~ 5 5 VDC power input( Non-POE)
- Supports +48 ~ 55 VDC power input( POE)
- Provides flexible mounting: DIN-rail, Wall Mounting
- Supports operating temperature from -40°C ~ 85°C

### 3, LED Function

#### When 10/100M Non-POE

LED	Color	Description
PWR	Green	Power input is active
FX1	Green	Fiber port is connected
	Blink	Data transmission enable
FX2(If have)	Green	Fiber port is connected
	Blink	Data transmission enable
TP (1 to 8)	Green	UTP port is connected
	Blink	Data transmission enable

#### When 10/100M with POE

LED	Color	Description
PWR	Green	Power input is active
FX1	Green	Fiber port is connected
	Blink	Data transmission enable
FX2 (If have)	Green	Fiber port is connected
	Blink	Data transmission enable
TP (1 to 8)	Green	UTP port is connected
	Blink	Data transmission enable
	Yellow	Lit means with POE

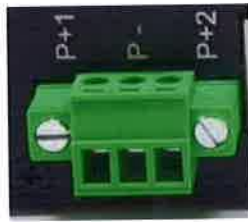
#### When 10/100/1000M Non-POE

LED	Color	Description
PWR	Green	Power input is active
FX1	Green	Fiber port is connected
	Blink	Data transmission enable
FX2 (If have)	Green	Fiber port is connected
	Blink	Data transmission enable
TP (1 to 8)	Green	UTP port is connected
	Blink	Data transmission enable
	Yellow off	Data is 10/100Mbps
	Yellow	Data is 10/100/1000Mbps

#### When 10/100/1000M with POE

LED	Color	Description
PWR	Green	Power input is active
FX1	Green	Fiber port is connected
	Blink	Data transmission enable
FX2 (If have)	Green	Fiber port is connected
	Blink	Data transmission enable
TP (1 to 8)	Green	UTP port is connected
	Blink	Data transmission enable
	Yellow	Lit means with POE

#### 4, Power Link



P+1 P- P+2

+ - +

The power terminal block support 2 power supply. When Non-POE power support 10~55VDC. When with POE support 48~55VDC.

You can two different power supply. For example: P+1 ,P- link 48VDC + and -, P+2, P- link 24VDC + and -.

#### 5, Installation

You can also mount our Industrial Ethernet Switch on a standard DIN-rail by below steps.

The DIN-rail kit is screwed on the industrial switch when out of factory. If the DIN-rail kit is not screwed on the industrial switch, please screw the DIN-rail kit on the switch first.

First, hang the Ethernet Switch to the DIN-rail with angle of inclination. See figure 5.1



Figure 5.1: Installation to DIN-rail Step1



Figure 5.2: Installation to DIN-rail Step 2

## 6. Industrial Front Panel

2GX+ 8UTP	
4GX+ 8UTP	
8GX+ 8UTP	
2*10G+4GX+ 8UTP	
8 10G SFP+	
2GX+ 16UTP	
24GX+8UTP+4 10G SFP+	
16GX+8COMBO+4 10G SFP+	