

## 8-Port 100M Compact Ethernet Switch



- 6~8 fast Ethernet ports, Auto-negotiation speed, auto Full/Half Duplex Mode, and auto MDI/MDI-X connection
- 0~2 100BaseFX ports ( SC connector default, FC/ST connector Optional ), Maximum 120km distance
- Wide range voltage 12~48V DC power input
- Metal housing with IP40 protection, support high EMC level
- DIN-Rail Mounting and Wall Mounting supported
- Wide Operating Temperature (-40~85°C) to satisfy harsh industrial environment

### Product Overview

8-Port 100M Compact Industrial Ethernet Switch is designed with IP40 metal housing and high level EMC protection, supports Auto-Negotiation speed, redundant dual power inputs with wide range voltage, 6~8 10/100BaseT(X) RJ45 ports and 0~2 100BaseFX fiber ports, and DIN35 rail or wall mounting for the different industrial circumstances. It can work in harsh -40~85°C environment to provide the reliability and flexibility for your industrial Ethernet solution.

### Features

- Support 802.3/802.3u, store-and-forward switching
- 6~8 10/100Base-T(X) RJ45 ports, support Auto-Negotiation speed (10M/100M ), auto Full Duplex/ Half Duplex mode, auto MDI/MDI-X connection
- 1~2 100BaseFX Fiber ports (default SC port, FC/ST port optional), max distance to 120km
- Metal housing with IP40 and high level EMC protection
- Redundant dual power voltage with 12~48V DC input
- Work in -40~85°C wide temperature

### Specifications

#### Technical Standard

- Protocol:IEEE802.3、IEEE802.3u

#### Interface

- RJ45 port: 10/100BaseT(X) speed Auto-Negotiation, Full/Half Duplex mode, MDI/MDI-X connection
- Fiber port: 100BaseFX100M Full Duplex SC port (with FC/ST options ), max distance to 120km

#### Switching Characteristic

- 10M Frame Forward Rate:14881pps
- 100M Frame Forward Rate:148810pps
- Forward Mode:store-and-forward
- Switching Bandwidth:1.6Gbps
- Cache Size:448Kbits
- MAC Address Table:1K

#### Power Supply

- Input: Redundant dual DC power inputs (12V/24V/48V)

with 7.62mm industrial power terminal

- Full-load Consumption:< 3.36W (@24VDC)

#### Physical Characteristic

- Dimensions(W×H×D):60.2mm×138.5mm×109mm
- Weight:600g
- Housing: Metal, IP40 protection
- Installation: Wall mounting or DIN rail mounting

#### Environment Limits

- Work Temp:-40°C~85°C
- Storage Temp:-40°C~85°C
- Relative Humidity:5%~95%(non-condensing)

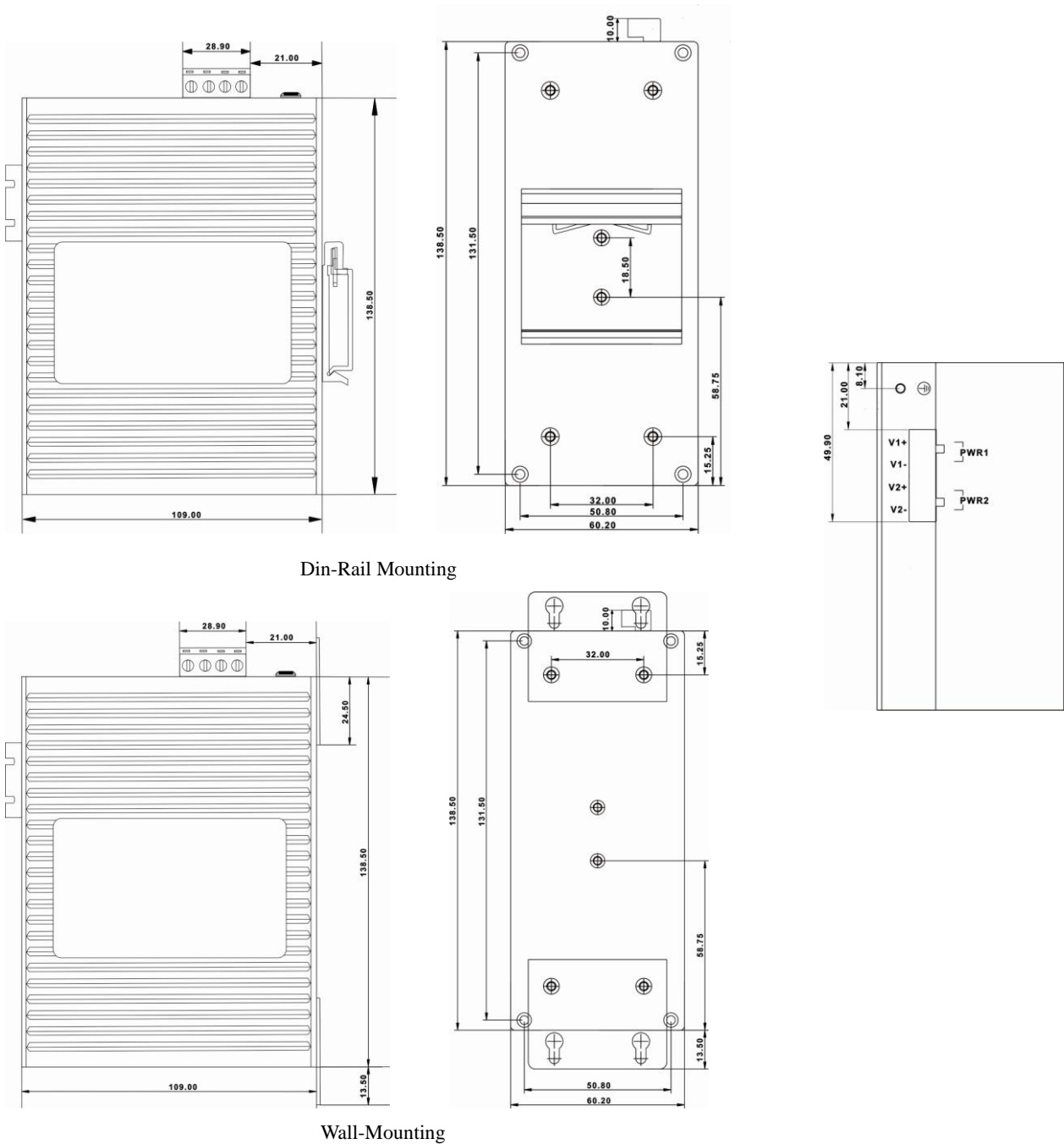
#### Warranty

- Warranty Period: 5 years

## Standards and Certifications

- IEC61000-4-2(ESD):±6KV Contact, ±15KV Air (150KHZ-80MHZ)
- IEC61000-4-3(RS):10V/M(80-1000MHZ)
- IEC61000-4-4(EFT):Power ±4KV, Data Cable ±2KV
- IEC61000-4-5(Surge):Power ±2KV CM/ ±1KV DM, Data Cable±4KV
- IEC61000-4-6(CS):3V (10KHZ-150KHZ), 10V
- IEC61000-4-16(MS):30V COUNT 300V, 1S
- IEC60068-2-6(Vibration)
- IEC60068-2-27(Shock)
- IEC60068-2-32(Free Fall)
- IEC61000-6-2(General Industrial Standard)

## Dimensions(mm)



## Models

Model	Description
Ck1062	8-Port 100M Compact Ethernet Switch, 6*10/100Base-T(X)RJ45 ports, 2*100Base-FX Fiber ports (SM/MM), -40°C~85°C
Ck1080	8-Port 100M Compact Ethernet Switch, 8*10/100Base-T(X)RJ45 ports, -40°C~85°C

## Package List

- 8-Port 100M Compact Ethernet Switch with industrial power terminal
- Product Manual
- Product Warranty