8-Port 100M Light Ring 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
■ Light CK-Ring with simple DIP-Switch setting
■ 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℃) to satisfy harsh industrial environment

Product Overview

8-Port 100M Light Ring 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, and DIN35 rail-mounting for the different industrial circumstances, furthermore, the innovative Light CK-Ring can improve the reliability and reduce the cost of networking at the same time.

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

● Light CK-Ring compatible with CK-series managed Ethernet Switch（recovery time < 20ms, single ring only）

● Metal housing with IP40 and high level EMC protection

● Redundant dual power voltage with 12~48V DC input

● Work in -40~85℃ 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: 100BaseFX 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：1Mbits

● MAC Address Table：2K

Power Supply

● Input: Redundant dual DC power inputs (12V/24V/48V) with 7.62mm industrial power terminal

● Full-load Consumption：< 5.16W (@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℃~85℃

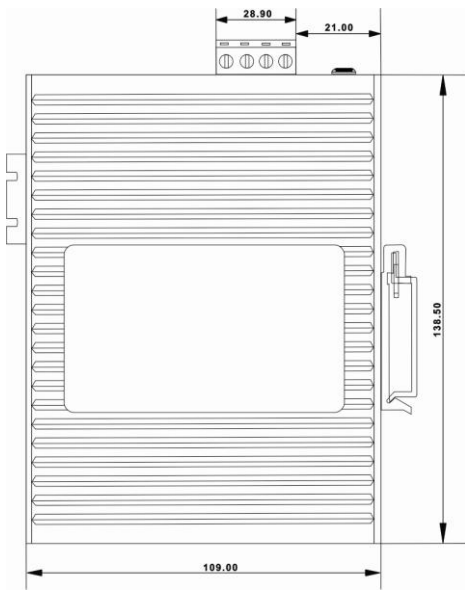● Storage Temp：-40℃~85℃

● Relative Humidity：5%~95%（non-condensing）

Warranty

● Warranty Period: 5 years

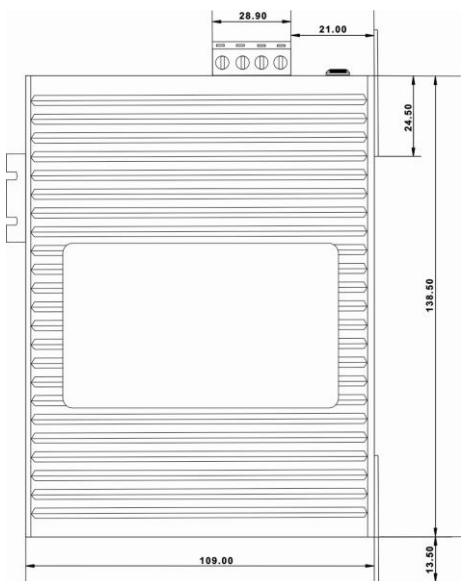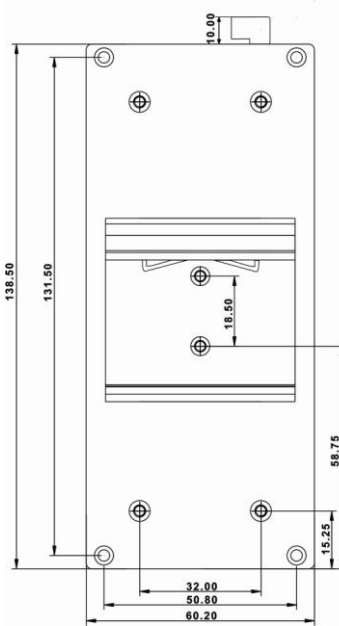# Standards and Certifications

- IEC61000-4-2(ESD)：±8KV Contact, ±15KV Air
- IEC61000-4-3(RS)：10V/M(80-1000MHZ)
- IEC61000-4-4(EFT)：Power ±4KV, Data Cable ±4KV
- IEC61000-4-5(Surge)：Power ±4KV CM/ ±2KV DM, Data Cable±4KV
- IEC61000-4-6(CS) ： 3V (10KHZ-150KHZ), 10V

- (150KHZ-80MHZ)
- IEC61000-4-16(MS)：30V COUNT 300V, 1S
- IEC60068-2-6(Vibration)
- IEC60068-2-27(Shock)
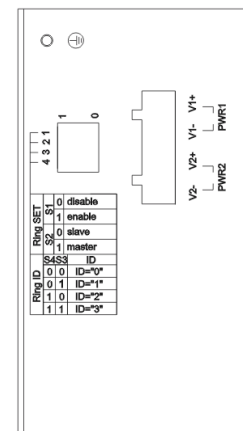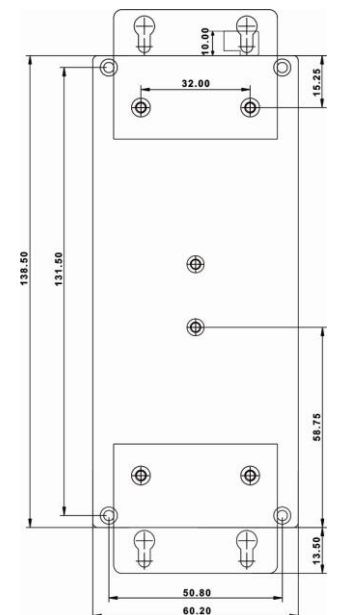- IEC60068-2-32(Free Fall)
- IEC61000-6-2(General Industrial Standard)

Dimensions（mm）

Din-Rail Mounting

Wall-Mounting

Models

Model	Description
Ck5062	8-Port 100M Light Ring Ethernet Switch, 6*10/100Base-T(X)RJ45 ports, 2*100Base-FX Fiber ports (SM/MM), -40℃~85℃
Ck5071	8-Port 100M Light Ring Ethernet Switch, 7*10/100Base-T(X) RJ45 ports, 1*100Base-FX Fiber port (SM/MM), -40℃~85℃
Ck5080	8-Port 100M Light Ring Ethernet Switch, 8*10/100Base-T(X)RJ45 ports, -40℃~85℃

Package List

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