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, providing comprehensive LED status indication. Supports redundant dual power inputs with wide range voltage 12-48V input to increase the reliability of network. It is two layers Ethernet switch independent researched and developed by Shenzhen Comark Technology Co., Ltd.. Supplied 6-8 10/100Base-T(X) RJ45 ports and 0-2 100Base-FX port (FC,ST optional), can be flexible according to the business requirements of the photoelectric combination. The series of products support CK-Ring for Ethernet redundancy, and ring network self-healing time is less than 20ms. Supplied DIN35 rail-mounting or wall mounted modes for industrial installation. It used excellent network solutions in the industry, working temperature range of -40~85 ℃ which can meet the requirements of various industrial sites and provide convenient Ethernet communication solutions.

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
- No-load power consumption: 2 photo 6 electric 3.6W/ 8 electric 2.16W(@24VDC)
- Full-load power Consumption:< 4.32W (@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
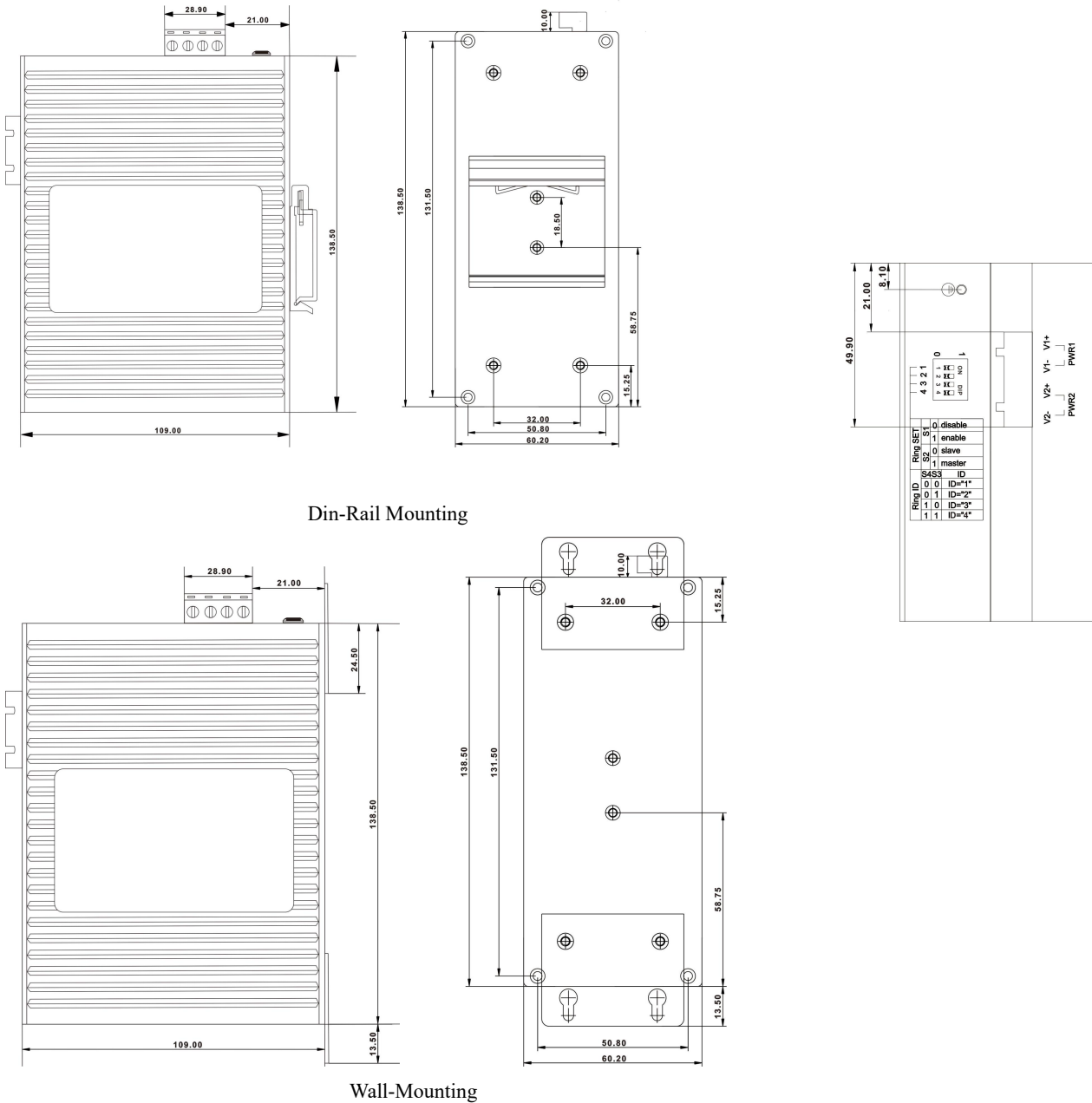- Relative Humidity:5%~95%(non-condensing)

Environment Limits

- Work Temp:-40℃~85℃
- Storage Temp:-40℃~85℃

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 ±2KV
- 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