

10-Port Unmanaged Industrial Ethernet Switches



- 4~8*100M RJ45 ports, rate self-adaptation, full/half duplex mode and MDI/MDI-X self-adaption
- 0~4*100M full Duplex fiber interface, default SC interface, FC/ST optional, max transmission up to 120 km
- 0~2*1000M SFP slots, adaptable to 1000M SFP optical module(support SM/MM)or 1000M SFP electric interface module(Support twisted pair transmission)
- Support redundant wide range voltage 12V~48V DC power input, full-load power consumption < 11W
- Adopt with high strength IP40 housing and industrial EMC design.
- Support DIN-Rail Mounting installation
- Working temperature range: -40~85°C to meet various industrial site requirements

Product Overview

10-Port Unmanaged Industrial Ethernet Switch adopt with IP40 protective housing, industrial EMC design, support wide range redundant power inputs (12~48V DC) to increase the reliability of the communication network. Support 4~8*10/100BASE-T(X) RJ45 ports and 0~4*100BASE-FX SC optical interfaces(optional FC/ST) and 0~2*1000BASE-X SFP slots, the optical and electrical combination can be flexibly carried out according to business port requirements. Base on the requirements of industrial installation, DIN35 rail is provided. The product also adopt with fan-free, low power consumption, industrial design, working temperature range of - 40-85°C, which can meet the requirements of various industrial sites and provide convenient Ethernet communication solutions.

Features

- Support IEEE802.3/802.3u/802.3ab standard, store and forward switching mode
- Support 4~8*10/100BASE-T(X) RJ45 ports, Auto-Negotiation technology, auto negotiation working rate(10M/100M), duplex mode(half/full duplex) and MDI/MDI-X self-adaption
- Support 0~4*100BASE-FX optical interfaces(default SC interface, FC/ST optional), max transmission up to 120 km
- Support 0~2*1000BASE-X SFP slot, adaptable to 1000M SFP optical module(support SM/MM)or 1000M SFP electric interface module(Support twisted pair transmission)
- Adopt with high strength IP40 housing and industrial EMC design
- Support redundant wide range voltage 12~48V DC power input, full load power consumption less than 11W
- -40~85°C working temperature range
- Standard: IEEE802.3、IEEE802.3u、IEEE 802.3ab

Specifications

Technology

- RJ45 port: 10/100BASE-T(X) rate self -adaption, Full/Half Duplex, MDI/MDI-X self-adaption
- 100M Fiber interface: 100BASE-FX full Duplex ,default SC interface, FC/ST optional, max transmission up to 120 km
- SFP interface: 1000BASE-X SFP optical interface, adaptable to 1000M SFP optical module(support SM/MM)or 1000M SFP electric interface module(Support twisted pair transmission)

Exchange Property

- 10M forwarding speed:14881pps
- 100M forwarding speed:148810pps
- 1000M forwarding speed: 1488095pps
- Transmission way: Store and forward.
- System switching bandwidth:5.6Gbps
- Cache size:1Mbits

Interfaces

- MAC address table:8K

Power

- Power input: support redundant power inputs,with 4-core 7.62mm standard industrial terminals
- Redundant wide range voltage 12~48V DC power input, typical working voltage 12V/24V/48V
- Full load power consumption less than 11W
- Built-in over current protection

Physical Characteristics

- Dimensions (W×H×D): 50mm×150.5mm×125.5mm
- Weight: 900 g
- Housing: IP40 protection,metal housing
- Installation: DIN rail mounting

Environment Limits

- Working Temp.: -40°C~85°C
- Storage Temp.: -40°C~85°C
- Relative Humidity: 5%~95% (no-condensation)

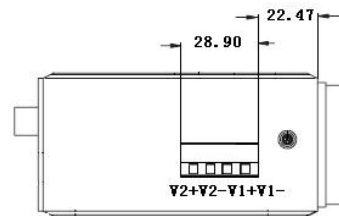
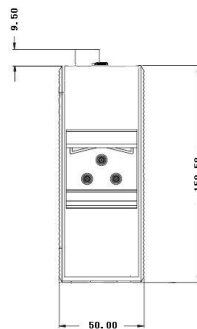
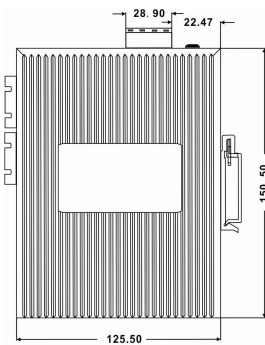
Standards and Certifications

- IEC61000-4-2(ESD): ±6KV Contact Discharge, ±15KV Air Discharge
- IEC61000-4-3(RS): 10V/m (80-1000MHZ)
- IEC61000-4-4(EFT): Power Cable ±2/4KV, Data Cable ±2KV
- IEC61000-4-5(Surge): Power Cable ±4KV CM/±2KV DM, Data Cable: ±4KV
- IEC61000-4-6(Radio Frequency Conduction): 3V

Warranty

- Warranty Period: 5 years
- (10KHZ-150KHZ), 10V (150KHZ-80MHZ)
- IEC61000-4-16 (Common Mode Conduction) : 30V(cont.),300V(1s)
- IEC60068-2-6 (Vibration)
- IEC60068-2-27 (Shock)
- IEC60068-2-32 (Free Fall)
- IEC61000-6-2(General Industrial Standards), IEC61850-3(Transformer Substation), IEEE1613(Power Substation)
- EN50121-4(Rail Transit)

Dimensions(mm)



Models

Model	Specs
Ck2080	Industrial Unmanaged Switch, 8*10/100BaseT(X) RJ45 ports, DIN35 rail mounting
Ck2071	Industrial Unmanaged Switch, 7*10/100BaseT(X) RJ45 ports, 1*100BaseFX fiber interface, single-mode/multi-mode, DIN35 rail mounting
Ck2062	Industrial Unmanaged Switch, 6*10/100BaseT(X) RJ45 ports, 2*100BaseFX fiber interfaces, single-mode/multi-mode, DIN35 rail mounting
Ck2044	Industrial Unmanaged Switch, 4*10/100BaseT(X) RJ45 ports, 4*100BaseFX fiber interfaces, single-mode/multi-mode, DIN35 rail mounting
Ck3080	Industrial Unmanaged Switch, 8*10/100BaseT(X) RJ45 ports, 2*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting
Ck3071	Industrial Unmanaged Switch, 7*10/100BaseT(X) RJ45 ports, 1*100BaseFX fiber interface, single-mode/multi-mode, 2*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting
Ck3062	Industrial Unmanaged Switch, 6*10/100BaseT(X) RJ45 ports, 2*100BaseFX fiber interfaces, single-mode/multi-mode, 2*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting
Ck3044	Industrial Unmanaged Switch, 4*10/100BaseT(X) RJ45 ports, 4*100BaseFX fiber interfaces, single-mode/multi-mode, 2*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting

Package List

- 10-Port Unmanaged Industrial Ethernet Switch 1pcs with industrial power terminal for power supply
- Product Manual 1pcs