

10-Port Gigabit Industrial Ethernet POE Switches



- 8 compatible with IEEE 802.3at/af standard, with POE function 1000M Ethernet ports, at the same can support 8 ports 15.4W or 30W at the same time, and the total power cannot exceed 245W
- Automatic identification of power consumption and power supply mode of network equipment
- 0~2*1000M SFP interfaces, adaptable to 1000M SFP optical module(support SM/MM) and 1000M SFP electric interface module(Support twisted pair transmission)
- Support Web, CLI and SNMP three management modes, CLI supports Telnet and CONSOLE log in
- Support QoS, IGMP, 802.1Q VLAN function
- Support RSTP and CK-ring for Ethernet redundancy, the ring network self-healing time < 20ms
- Support relay alarm output for power supply, port, ring network status and POE status alarm
- Adopt with high strength IP40 housing, industrial EMC design
- Support redundant wide range voltage(48~52V DC)power input , support reverse connection protection, the full-load power consumption 245W
- Support DIN-Rail Mounting installation

Product Overview

10-Port Gigabit Industrial Ethernet POE Switches adopt with high strength IP40 protective housing, industrial EMC design, support wide range redundant power input (48~52V DC) to increase the reliability of communication network. Provide powerful management function that can be managed through a web browser, command line (CLI), and SNMP. At the same can support 8 ports of 15.4W or 4 ports of 30W at the same time, and the total power can not exceed 245W, which can be used as POE to supply power for other equipment; 0 ~ 2*1000BASE-X SFP interfaces , the optical and electrical combination can be flexibly carried out according to the needs of service ports.Can supply power for IEEE802.3 at / af compatible powered devices, so it can reduce the additional wiring cost.

Features

For unmanaged POE switch

- Support IEEE802.3/802.3u/802.3ab/802.3 at/af standard, store and forward switching mode
- Support 8*10//100/1000BASE-T(X) RJ45 ports with POE function, Auto-Negotiation technology, Auto negotiation working rate(10M/100M/1000M), Full duplex mode (Half/full duplex) , MDI/MDI-X self-adaption
- Support 0~2 *1000 BASE-X SFP interfaces, adaptable to 1000M SFP optical module(support SM/MM) and 1000M SFP electric interface module (Support twisted pair transmission)
- Support broadcast storm suppression function
- Adopt with high strength IP40 housing and industrial EMC design
- Support redundant wide range voltage 48~52V DC power input, full load power consumption 245W

For managed POE switch

- Support Web, CLI and SNMP three management modes, CLI support Telnet and Console log in
- Support POE WEB Management Function

- Support store and forward mechanism
- Support common port feature settings, such as port enabling, adaptive or forced, flow control, etc
- Support port mirroring for online debugging and monitoring of network data status
- Support the function of port bandwidth limitation and optimize bandwidth utilization
- support port aggregation function to expand network bandwidth and improve network transmission efficiency.
- Support port priority QoS settings to improve network service quality
- Support port MAC address learning and data statistics functions
- Support 802.1Q VLAN setting and effectively control broadcast domain
- Support unicast / multicast MAC address management
- Support static IGMP multicast filtering, which is used to filter the multicast traffic in the industrial Ethernet protocol.
- Support SNMP V1 / V2C / V3 to make different levels of network management secure

- Support RSTP to avoid message proliferation and infinite loop in the loop network
- supports plug and play redundant self-healing Ethernet ring network technology (fault recovery time under full load <

20ms), and supports three ring network modes: single ring, tangent and intersection.

- Support relay alarm output
- Support the whole network system management

Specifications

Interfaces

- RJ45 ports: 10/100/1000BaseT(X)rate self-adaption, Full/Half Duplex, MDI/MDI-X self-adaption
- SFP interface: 1000Base-X SFP optical interface, adaptable to 1000M SFP optical module(support SM/MM) and 1000M SFP electric interface module(Support twisted pair transmission)
- Console: RS-232 (RJ45 connector)
- Relay output: 1 relay output, current load capacity 1A@24VDC
- Power input: Redundant dual power input, 4 cores pluggable 7.62mm spacing industrial power terminal

Exchange Property

- 10M forwarding speed: 14881pps
- 100M forwarding speed: 148810pps
- 1000M forwarding speed: 1488100pps
- Transmission way: Store and forward.
- System switching bandwidth: 20Gbps
- Cache size: 2Mbits
- MAC address table: 8K

Power Requirements

- Redundant wide range voltage 48~52V DC power input, typical working voltage 48V
- Full load power consumption 245W
- Built-in over current protection

Relay

- Relay alarm output: alarm output of port failure, power failure and ring network failure
- Max.contact capability: 1A@24VDC, 2 cores 7.62mm industrial terminal interface

Physical Characteristics

- Dimensions (W x H x D): 51.5mm×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)

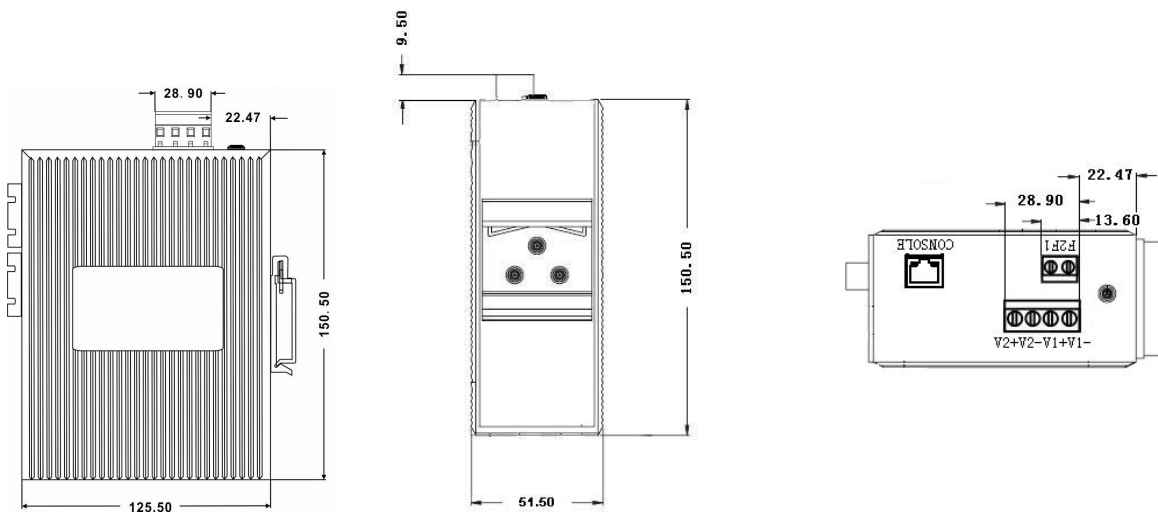
Warranty

- Warranty Period: 5 years

【Standard】

- IEC61000-4-2(ESD): ±6KV Contact Discharge, ±15KV Air Discharge
- IEC61000-4-3(RS): 10V/M (80-1000MHZ)
- IEC61000-4-4(EFT): Power Cable ±2KV, Data Cable ±2KV
- IEC61000-4-5(Surge): Power Cable ±1KV CM/±1KV DM, Data Cable: ±1KV
- IEC61000-4-6(Radio Frequency Conduction): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHZ)
- IEC61000-4-8 (Power Frequency Magnetic Field) : 100A/M COUNT 1000A/M, 1S TO 3S
- IEC61000-4-12/18 (Oscillating Wave) : 2.5KV CM, 1KV DM
- IEC61000-4-10 (Damped Oscillation) : 30A/M
- IEC61000-4-16(Common Mode Conduction) : 30V COUNT 300V, 1S
- IEC61000-6-2(General Industrial Standards), IEC61850-3(Transformer Substation), IEEE1613(Power Substation)
- EN50121-4(Rail Transit)

Dimensions(mm)



Models

Model	Specs
CK7110P-8GTX	Industrial Unmanaged switch, 8*10/100/1000BASE-T(X) RJ45 ports , DIN35 rail mounting
CK7110MP-8GTX	Industrial managed switch, 8*10/100/1000BASE-T(X) RJ45, DIN35 rail mounting
CK7110P-8GTX2SFP	Industrial unmanaged switch, 8*10/100/1000BASE-T(X) RJ45 ports, 2*1000M SFP slots (optical/electric optional, SFP module not included), DIN35 rail mounting
CK7110MP-8GTX2SFP	Industrial Managed switch, 8*10/100/1000BASE-T(X) RJ45 ports, 2*1000M SFP slots (optical/electric optional, SFP module not included), DIN35 rail mounting

Package List

- 10-Port Gigabit Industrial Ethernet POE Switch 1pcs (with 2 cores and 4 cores 7.62mm industrial terminals)
- Product Manual 1pcs