10-Port Managed Ethernet Switch

- 10 ports 100M/1000M combined managed Ethernet switch
- Managed with Web, CLI and SNMP, CLI can login with Telnet and CONSOLE
- QoS, IGMP, 802.1Q VLAN to ease network planning
- RSTP and CK-ring for network redundancy, recovery time < 20ms
- Warning by relay output for power, ports and network status
- Metal housing with IP30 protection, EMC industrial level 4 supported
- Wide range voltage redundant dual inputs, full-load power consumption < 12W
- DIN-Rail Mounting and Wall Mounting supported
- Standard operating temperature 0℃~70℃, wide operating temperature optional (-40~85℃) to satisfy harsh industrial environment

Product Overview

10-Port Managed Ethernet Switch is designed for flexible industrial circumstances and provides a high cost performance Ethernet solution. You can manage it by powerful features with WEB browser, Command Line (CLI) and SNMP. It also supports redundant dual inputs with wide range voltage（12~48V DC） to improve the reliability. 4~8 10/100BaseT(X) RJ45 ports, 0~2 1000M SFP ports and 0~4 100BaseFX fiber ports can be combined according to your requirements. Furthermore, DIN35 or wall mounting is provided for distinct industrial installation.

Features

Basic Switching Features

- QoS/IGMP/802.1Q/802.1p/802.3, store-and-forward switching
- 4~8个10/100BaseT(X) RJ45 ports, Auto-Negotiation speed（10M/100M）,auto Duplex mode and MDI/MDI-X connection
- 0~4 100BaseFX 100M full Duplex fiber ports (default SC port, FC/ST optional), max to 120km
- 0~2 1000M SFP port, 1000M fiber port or RJ45 port module selective
- Broadcast storm control
- Metal housing with IP30 protection and EMC industrial level 4
- Wide range power voltage with 12~48V DC inputs, full load power consumption less than 10W

Advanced Industrial Ethernet Network Features

- Web, CLI and SNMP management, CLI can login with Telnet and CONSOLE
- Port setting, e.g., Enable/disable the port, speed or mode setting, flow control
- Port Mirroring to debug online or monitor the data status
- Rate-limit to optimize the bandwidth of network
- Port trunking to expand the bandwidth and improve the efficiency of the network
- QoS setting to improve the quality of the service
- Port MAC-address learning and statistics
- 802.1Q VLAN to control multicast domain
- Unicast/multicast MAC-address management
- IGMP Snooping to filter multicast traffic
- SNMP V1/V2C/V3 improve the security of network management in different level
- RSTP to avoid indefinite message copy in the ring
- Auto-recovery redundant CK-Ring（full-load failure recovery time < 20ms）, supports Single-Ring, Tangency-Ring and Intersection-Ring
- Warning by relay output
- Rich network system management

Specifications

Interfaces

- RJ45 port: 10/100BaseT（X）Auto-Negotiation speed, auto Full/Half Duplex , auto MDI/MDI-X connection
- Fiber port: 100BaseFX 100M full Duplex (default SC port, FC/ST optional), max to 120 km
- SFP port: 1000M SFP port, 1000M optic fiber or RJ45 interface optional
- Console: RS-232（RJ45 port）
- Warning: 1 relay, current load DC48V/1A
- Power: Dual inputs, 2 pluggable four-pins power terminal

Power Requirements

- Dual redundant inputs with wide range voltage (12~48V DC), typical 12V/24V/48V
- Full load power consumption less than 12W
- Overload-Current protection

Relay

- Warning output: for port, power or ring failure
- Contact Capability: DC48V/1A, industrial terminal

Physical Characteristics

- Dimensions (L x W x H): 150.5mm×50mm×125.5mm
- Weight: 900 g
- Housing: Metal, IP30 protection
- Installation: Wall mounting or DIN rail mounting

Environment Limits

- Work Temp.: 0℃~70℃, wide range -40~85℃ optional
- Storage Temp.: -40℃~85℃
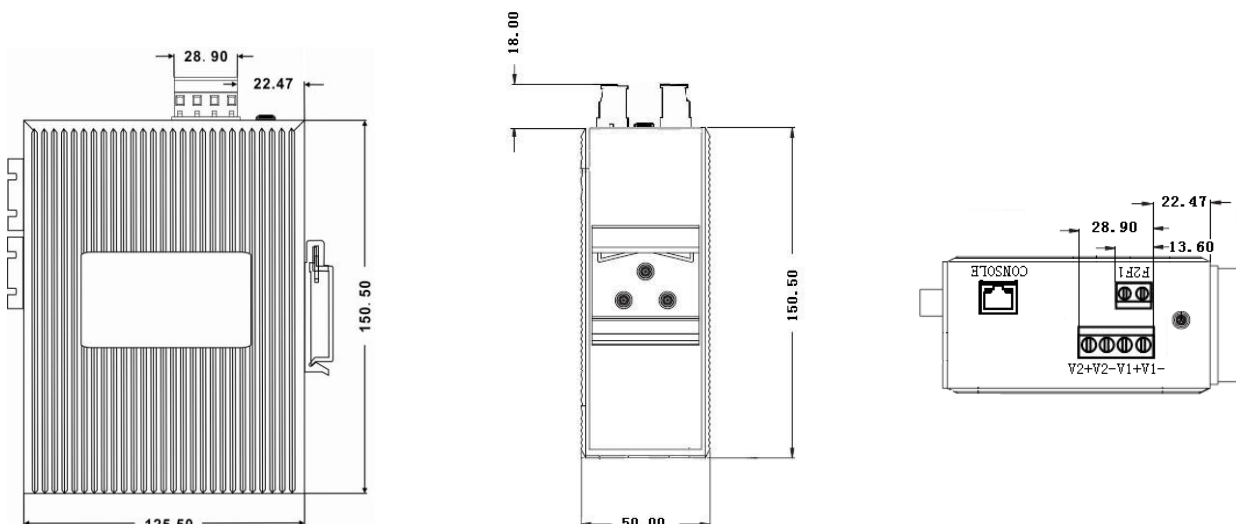- Relative Humidity: 10%~95% (non-condensing)

Warranty

- Warranty Period: 5 years

Standard and Certifications

- IEC61000-4-2(ESD): ±6KV touch, ±15KV atmosphere
- IEC61000-4-3(RS): 10V/m (80-1000MHZ)
- IEC61000-4-4(EFT): power cable ±4KV, data cable ±4KV
- IEC61000-4-5(Surge): power cable ±2KV CM/±2KV DM, data cable: ±4KV

- IEC61000-4-6(CS): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHZ)
- IEC61000-4-8(MS): 100A/M COUNT 1000A/M, 1S TO 3SI
- IEC61000-4-12/18(HFRD): 2.5KV CM, 1KV DM
- IEC61000-4-10(DP): 30A/M
- IEC61000-4-16(CM): 30V COUNT 300V, 1S
- IEC61000-6-2, IEC61850-3, IEEE1613
- EN50121-4

Dimensions

Models

Model	Specs
CK6080	8*10/100BaseT(X) RJ45 ports, DIN35 rail mounting
CK6071	7*10/100BaseT(X) RJ45 ports, 1*100BaseFX fiber port, single-mode/multi-mode, DIN35 rail mounting
CK6062	6*10/100BaseT(X) RJ45 ports, 2*100BaseFX fiber ports, single-mode/multi-mode, DIN35 rail mounting
CK6044	4*10/100BaseT(X) RJ45 ports, 4*100BaseFX fiber ports, single-mode/multi-mode, DIN35 rail mounting
CK7080	8*10/100BaseT(X) RJ45 ports, 2*1000M SFP slots (optical or electrical interface optional, transceiver module not included), DIN35 rail mounting
CK7071	7*10/100BaseT(X) RJ45 ports, 1*100BaseFX fiber port, single-mode/multi-mode, 2*1000M SFP slots (optical or electrical interface optional, transceiver module not included), DIN35 rail mounting
CK7062	6*10/100BaseT(X) RJ45 ports, 2*100BaseFX fiber ports, single-mode/multi-mode, 2*1000M SFP slots (optical or electrical interface optional, transceiver module not included), DIN35 rail mounting
CK7044	4*10/100BaseT(X) RJ45 ports, 4*100BaseFX fiber ports, single-mode/multi-mode, 2*1000M SFP slots (optical or electrical interface optional, transceiver module not included), DIN35 rail mounting

Package List

- 10-Port Managed Industrial Ethernet Switch with industrial power terminal
- Product Manual
- Product Warranty