

## 10-Port POE Ethernet Switch



- 10 ports 100M/1000M combined POE 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°C~70°C, wide operating temperature optional (-40~60°C) to satisfy harsh industrial environment

### Product Overview

10-Port POE Ethernet Switch is designed with IP40 protection housing, supports EMC industrial level 4, redundant dual inputs with wide range voltage, 8 10/100BaseT(X) RJ45 ports with POE and 0~2 1000BaseF(X) SFP ports, the POE can output power up to 30W per port and support IEEE802.3 at/af, reduce the power cable and cost for your industrial application and solution.

### Features

#### For unmanaged POE switch

- Support IEEE802.3/802.3u/802.3ab/802.3 at/af, store-and-forward switching
- 8 10/100BASE-T(X) RJ45 ports with POE, Auto-Negotiation speed (10M/100M), auto Full/Half Duplex mode, auto MDI/MDI-X connection
- 0~2 1000 BASE-X SFP ports, 1000M optic fiber or RJ45 interface module optional
- Broadcast storm control
- IP40 protection housing with industrial high level EMC design
- Dual power 46~52V DC inputs, full load power consumption 145W with POE
- -40~60°C operating temperature

#### For managed POE switch

- Support Web, CLI and SNMP management, CLI support Telnet or Console
- POE management with WEB GUI
- 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
- 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 ports:10/100BaseT (X) auto negotiate speed, Full/Half Duplex, MDI/MDI-X connection
- PoE wiring: Power on unused lines, V+ on pin 4 and 5, V- on pin 7 and 8 ( Endspan Mode B )
- SFP ports: 1000BaseSFP Fiber ports, support Gigabit SFP fiber module or 1000BASE-T Copper SFP Module(RJ45)
- Relay output (Managed model only): 2-pin relay industrial terminal, contact capability is 1A@24VDC
- Power input: 4-pin pluggable 7.62mm industrial power terminal

### Exchange Property

- Ten trillion forwarding speed:14881pps; Fast forwarding speed:148810pps; Gigabit forwarding speed:1488096pps.
- Transmission way: Store-and-forward.
- Switching bandwidth: 5.6Gbps
- Buffer memory size: 1 Mbytes.
- MAC address table: 8 k

## Standard and Certifications

- IEC61000-4-2(ESD):  $\pm 6KV$  touch,  $\pm 15KV$  atmosphere
- IEC61000-4-3(RS): 10V/m (80-1000MHZ)
- IEC61000-4-4(EFT): power cable  $\pm 4KV$ , data cable  $\pm 4KV$
- IEC61000-4-5(Surge): power cable  $\pm 2KV$  CM/ $\pm 2KV$  DM, data cable:  $\pm 4KV$
- IEC61000-4-6(CS): 3V (10KHZ-150KHZ), 10V

### Power Requirements

- Dual redundant inputs with 46~52V DC wide range voltage, typical 48V
- Overload-Current protection

### Relay ( Managed model only)

- Relay output: Port, power or ring failure warning output
- Contact Capability: 1A@24VDC

### Physical Characteristics

- Dimensions ( L x W x H ): 150.5mmx50mmx125.5mm
- Weight: 900 g
- Housing: Metal, IP40 protection
- Installation: Wall mounting or DIN rail mounting

### Environment Limits

- Operating Temp:  $-40^{\circ}C$ ~ $60^{\circ}C$
- Storage Temp:  $-40^{\circ}C$ ~ $85^{\circ}C$
- Relative Humidity: 10%~95% (non-condensing)

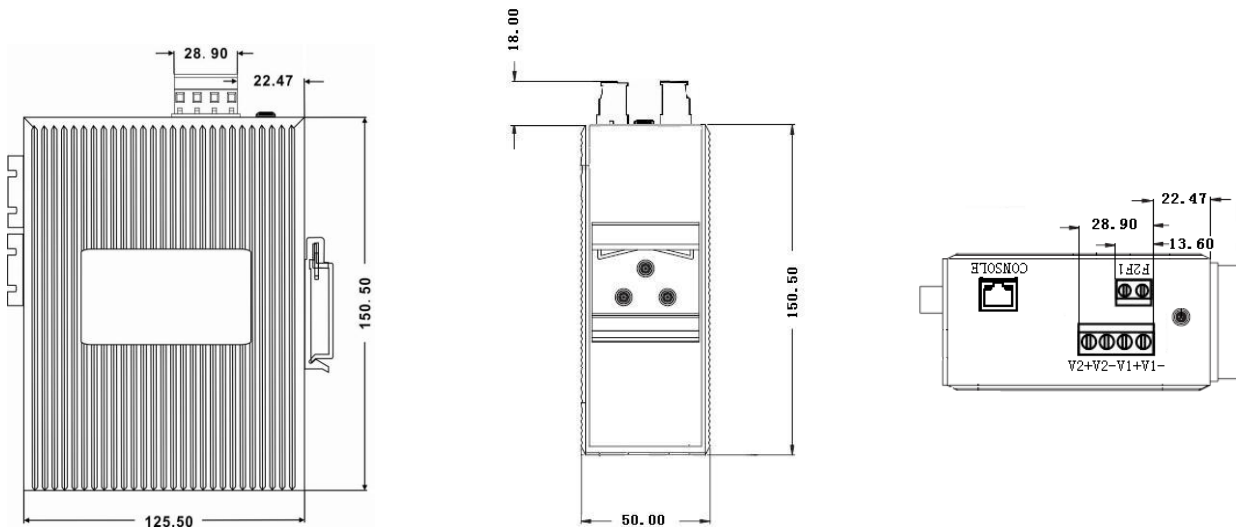
### Warranty

- Warranty Period: 5 years

( 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, IEC61750-3, IEEE1613
- EN50121-4

## Dimensions



## Models

Model	Specs
Ck2080P-18	Unmanaged POE Ethernet switch, 8*10/100BaseT(X) RJ45 ports with POE, DIN35 rail mounting
Ck3080P-18	Unmanaged POE Ethernet switch, 8*10/100BaseT(X) RJ45 ports with POE, 2*1000M SFP slots (SFP module not included), DIN35 rail mounting
Ck6080P-18	Managed POE Ethernet switch, 8*10/100BaseT(X) RJ45 ports with POE, DIN35 rail mounting
Ck7080P-18	Managed POE Ethernet switch, 8*10/100BaseT(X) RJ45 ports with POE, 2*1000M SFP slots (SFP module not included), DIN35 rail mounting

## Package List

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