

## 700581

### Gigabit 2-optical 4-electrical industrial Ethernet POE switch

#### 1: Product features ►►

- Provide 4 gigabit downlink electrical ports to 2 gigabit uplink optical ports
- SC/LC/FC/ST/SFP fiber optic interface optional
- Scalable IEEE802.3at (15.4W)/at (30W)/bt(90W)
- Support wide temperature design -40 °~85 °
- Support IP40 protection level fanless design
- Aluminum alloy metal shell DIN rail installation, wall mounted installation
- Support dual power redundant backup input power supply
- EMC industrial level 4 electromagnetic anti-interference

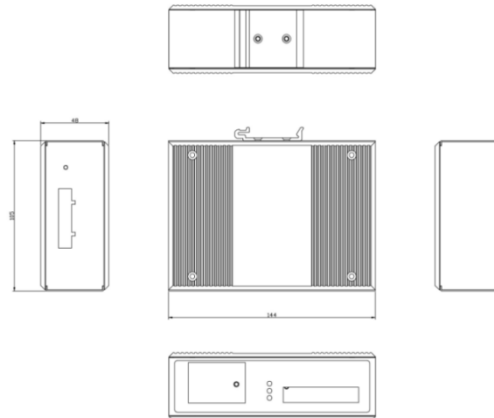


#### 2: Product Overview ►►

Non managed gigabit 2-optical 4-electrical industrial Ethernet switch, supporting 4 10/100/1000Base-T downlink electrical ports and 2 1000Base-FX uplink optical ports. The product complies with FCC, CE, and ROHS standards. 700581 has a working temperature of -40 ° to 85 °, and has strong durability to adapt to various harsh environments. It can also be conveniently placed in compact control boxes. The installation characteristics of the guide rail, wide temperature operation, and the IP40 protection level of the housing and LED indicator lights make the 700581 a plug and play industrial grade device, providing reliable and convenient solutions for users to connect Ethernet devices. It can be widely used in industrial scenarios such as smart transportation, rail transit, smart cities, smart factories, smart mines, and comprehensive energy with Ethernet access.

## 3: Mechanical dimensions ▶▶

144 x 105 x 48mm (length x width x height)



## 4: Technical parameters ▶▶

<b>RJ45port</b>	10/100/1000BaseT (X) automatic detection Full/half duplex MDI/MDI-X adaptive
<b>Port Description</b>	4x10/100/1000Mbps POE port~2x1000Mbps FX optical port
<b>Network Protocol</b>	IEEE802.3- CSMA/CD; IEEE802.3i-10Base-T; IEEE802.3u -100Base TX/FX; IEEE802.3x - Flow Control; IEEE802.3z -1000Base X; IEEE802.3ab -1000Base-T;
<b>work environment</b>	Working temperature: -40~85 ℃ (-40~185 ° F) Storage temperature: -40~85 ℃ (-40~185 ° F) Relative humidity: 5% to 95% (without condensation) )
<b>PoE (optional)</b>	PoE power supply input voltage: DC12V-24V Single PoE power supply output power: 15.4W/30W (port 1~4) Total PoE budget: 60W (12VDC input), 120W( 24VDC input, one Poe port can reach 90W) PoE output voltage: DC48V, active PoE
<b>source</b>	Input voltage: DC12-24V

Connection terminal: Phoenix terminal

Supports dual power redundancy

Supports built-in overcurrent 4.0A protection

Support reverse protection

## Switch Properties

Backboard bandwidth: 12Gbps

Whole machine packet forwarding rate: 14.88Mpps

MAC Table: 2K

Package buffer: 1.75M

Delay time: <3  $\mu$  S

Switching method: storage forwarding, overall power consumption: <3W (non POE)

## Mechanical Features

Shell: IP40 protection level, metal shell

Installation: DIN rail type, wall mounted installation

Heat dissipation method: natural cooling, no fan

Weight: 0.64Kg

Dimensions: 114 x 93 x 35mm (length x width x height)

## LED indicators

Power indicator light: PWR interface indicator light: electrical port, optical port (Link/ACT)

## authentication

CE, FCC, RoHS, ISO9001, inspection report from the Ministry of Public Security, and network access permit from the Ministry of Industry and Information Technology

## Mean time between failures

300000 hours

## Warranty

5 years

## Industry standards

EMI:

FCC Part 15 Subpart B Class A, EN 55022 Class A

EMS :

IEC(EN)61000-4-2(ESD):  $\pm 8$ kV(contact),  $\pm 15$ kV(air) IEC(EN)61000-4-3(RS): 10V/m(80 ~ 1000MHz)

IEC(EN)61000-4-4(EFT): • PowerPort:  $\pm 4$ kV; • Data Port:  $\pm 2$ kV

IEC(EN)61000-4-5(Surge): Power Port:  $\pm 2$ kV/DM,  $\pm 4$ kV/CM; Data Port:  $\pm 2$ kV

IEC61000-4-6(CS): 10V(150kHz ~ 80MHz)/IEC(EN)61000-4-16(CM EMI) : 30V cont. 300V, 1s

IEC60068-2-27(Shock)/EC60068-2-32(Freefall)

IEC 60068-2-6 (Vibration)