



## Introduction:

The HOP3412S1310-2TP is a full Gigabit managed industrial PoE switch. It has 8\*10/100/1000M PoE ports and 2\*100/1000 SFP fiber slot ports, port 1-8 can support IEEE 802.3af/at standard POE power supply, single port POE power up to 15W, and the maximum POE output power is 30W (at-120W). As a POE power supply device, it can automatically detect and identify the electrical equipment that meets the standard and supply power through the cable. It can supply the POE terminal equipment, such as wireless AP, network camera, network telephone, industrial sensor and so on, to meet the demand for high density PoE power supply network environment. It is suitable for intelligent transportation, rail transportation, electric power industry, mining, metallurgy and green energy construction and so on. A reliable communication networks.

Managed model supports a variety of network redundancy protocol STP/RSTP/MSTP (<50ms). When one-way network fails, communication can be recovered quickly to ensure uninterrupted communication of important applications. HOP3412S1310-2TP industrial series products fully follow industrial product design and material. The shell adopts aluminum alloy to enhance heat dissipation efficiency, IP40 protection grade, and ensures the stable operation of the equipment in bad environment. According to the actual application needs, through Web, CLI, SNMP network management, POE power supply management, port flow control, VLAN division, STP, RSTP and other functions of the application service configuration.

## Ethernet Interface:

Model :

- HOP3412S1310-2TP

Interface:

- 8\*10/100/1000Base-T PoE ports (Data/Power)
- 2\*100/1000Base-X SFP slot (Data)
- 1 \* RS232 console port (115200, N,8,1)
- 2 set of V+, V- redundant DC power interface (4 Pin Phoenix terminal)

PoE Port:

- Port 1-8 supports POE @ IEEE802.3af/at

Network Protocol:

- IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;
- IEEE802.3u 100Base-TX;
- IEEE802.3ab 1000Base-T;
- IEEE802.3z 1000Base-X;
- IEEE802.3x

PoE Standard:

- IEEE802.3af/at

Ethernet Port Feature:

- 10/100/1000BaseT (X) automatic detection, full / half duplex MDI/MDI-X adaptive

SFP Port Characteristic:

- Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module.

Forwarding Mode:

- Store and Forward

Switching Capacity:

- 192bps (Non-blocking)

Forwarding Rate@64byte: 14.88Mpps

MAC: 8K

Buffer Memory: 4M

Jumbo Frame:10K

Twisted Pair Transmission:

- 10BASE-T: Cat3,4,5 UTP (≤100 meter)
- 100BASE-TX: Cat5 or later UTP (≤100 meter)
- 1000BASE-T: Cat5e or later UTP (≤100 meter)

**Ethernet Interface:**

## Optical Cable:

- Multimode: 850nm 0 ~ 500M;
- Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.

## Power Supply Pin:

- Only support 1/2 (+), 3/6 (-) 4-core power supply

## Working Voltage:

- 48-57VDC; 5 Pin industrial Phoenix terminal, support anti-reverse protection.

## Max/ Average Power Per Port:

- 30W/ 15.4W; IEEE802.3af/at

## Total PWR / Input Voltage:

- 120W/48VDC

## Input Voltage:

- Input Voltage: 12V-40V; Output Voltage: 48V; 12V Booster.

## Power Consumption:

- Standby: <8W; Full load: <240W

## LED Indicator:

- Power indicator: PWR (Green); Network indicator: 1-8(Link/Act)/ (Orange), 9-10(Link/Act)/ (Green); POE indicator: PoE (Green)

## Power Supply:

- No, optional 48V/120W or 48V/240W industrial power supply

## Operation TEMP / Humidity:

- -40~+85°C; 5%~95% RH Non condensing

## Storage TEMP / Humidity:

- -40~+125°C; 5%~95% RH Non condensing

## Dimension:

- 165\*120\*52mm

## Net /Gross Weight:

- <0.8kg / <1.2kg

## Lightning protection / protection level:

Lightning protection: 6KV 8/20us; Protection level: IP40

- IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge
- IEC61000-4-3(RS): 10V/m(80~1000MHz)
- IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV
- IEC61000-4-5(Surge): power cable: CM±4kV/DM±2kV; data cable: ±4kV

- IEC61000-4-6(radio frequency transmission): 10V(150kHz~80MHz)
  - IEC61000-4-8(power frequency magnetic field): 100A/m; 1000A/m, 1s to 3s
  - IEC61000-4-9(pulsed magnet field): 1000A/m
  - IEC61000-4-10(damped oscillation): 30A/m 1MHz
  - IEC61000-4-12/18(shockwave): CM 2.5kV, DM 1kV
  - IEC61000-4-16(common-mode transmission): 30V; 300V, 1s
  - FCC Part 15/CISPR22(EN55022): Class B
  - IEC61000-6-2(Common Industrial Standard)
- PoE Management:
- Support total power limit configuration for POE power supply
  - Support PoE output power allocation per port, close / start af/at
  - Support PoE output priority configuration per port
  - Support PoE work status per port display
  - Support power delay start
  - Support PoE work and time scheduli