

**OverView:**

The HOP3412S1324-8TP is a full Gigabit managed industrial PoE switch. It has 16*10/100/1000M PoE ports + 8*Giga SFP fiber slot ports. Port 1-16 can support IEEE 802.3af/at standard POE power supply, single port POE power up to 30W, and the maximum POE output power of the whole machine is 240W (at 480W). 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.

The HOP3412S1324-8TP has the leading ring network technology, supporting a variety of industrial redundant ring network protocol, any port can be a ring, support chain type, star type, double star type, ring type, tangent ring, intersecting ring, coupling ring, ring network 50ms self-healing. This series of models have high reliability, high security and high manageability, ensure reliable transmission of key data, support remote management, and can manage cluster management with optical network NMS network management platform to achieve the whole process without blind point network management. HOP3412S1324-8TP industrial series products fully follow industrial product design and material. The shell uses aluminum alloy to enhance heat dissipation. It has excellent industrial field environment adaptability (including mechanical stability, climate and environment adaptability, electromagnetic environment adaptability, etc.), protection level to IP40, support dual redundancy power supply, low Power consumption without fan heat dissipation technology, MTBF average fault free working time can reach 35 years

Ethernet Interface:

Model :

- HOP3412S1324-8TP

Interface:

- 16*10/100/1000M PoE ports (Data/Power);
- 8*100/1000M uplink SFP+ fiber slot ports (Data);
- 1*Console RS232 port (115200,N,8,1);
- 2 sets of V+, V- redundant DC power interface (6 Pin Phoenix terminal)

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:

- Port 1-16 can support 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:

- 368Gbps (Non-blocking)

Forwarding Rate @64byte: 77.38Mpps

MAC: 24K

Buffer Memory: 24M

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:

- Multi mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.

Power Supply Pin:

- Only support 1/2 (+), 3/6 (-)

Max/ Average Power Per Port:

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

Total PWR / Input Voltage:

- 240W (48-57VDC)

Power Consumption:

- Standby:<16W; Full load:<240W

LED Power indicator:

- PWR (Green); Network indicator: 1-16(Link/Act)/ (Orange), 17-24(Link/Act)/ (Green); POE indicator: PoE (Green)

Power Supply:

- No, see accessories information table to buy and use

Operation TEMP / Humidity:

- -40~+85°C; 5%~90% RH Non condensing

Storage TEMP / Humidity:

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

Dimension:

- 165*148*68.5mm

Net /Gross Weight:

- <2kg / <2.5kg

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 A
- IEC61000-6-2(Common Industrial Standard)