

**Introduction:**

The HOP3412S136-2TX is a full gigabit industrial PoE fiber switch. It has 4\*10/100/1000Base-T RJ45 ports and 2\*100/1000Base-X SFP fiber slot ports. Port 1-4 can support IEEE 802.3af/at PoE standard, single-port PoE power up to 30W, and the maximum PoE output power of the host is 60W (at-120W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal device such as wireless AP, IP camera, industrial sensor through the network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction form a cost-effective, stable and reliable communication network

**Ethernet Interface:**

Model :

- HOP3412S136-2TX

Interface:

- 4\*10/100/1000Base-T PoE ports (Data/Power)
- 2\*100/1000Base-X uplink SFP fiber slot port (Data)
- 2 set of V+, V- redundant DC power interface (5Pin Phoenix terminal)

Ethernet Port:

- Port 1-4 support 10/100/1000Base-T, auto-sensing, Full/half duplex MDI/MDI-X self-adaption

Network Protocol:

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-T/TX
- IEEE802.3ab 1000BASE-T
- IEEE802.3z 1000BASE-X
- IEEE802.3u 100BASE-FX
- IEEE802.3x.

PoE Standard:

- IEEE802.3af/at

SFP Port Characteristic:

- Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)

Forwarding Mode:

- Store and Forward

Switching Capacity:

- 12Gbps (Non-blocking)

Forwarding Rate @64byte: 8.93Mpps

MAC: 4K

Buffer Memory: 2M

Jumbo Frames:10K

MTBF:100000 hours

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)

- Model: HOP3412S136-2TX

**Ethernet Interface:**

Power Supply Pin:

- Default: 1/2 (+), 3/6 (-)

Working Voltage:

- 48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.

Max/ Average Power Per Port:

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

Total PWR / Input Voltage:

- 60W/48VDC (IEEE802.3af)

Power Consumption:

- Standby:<2W; Full load:<60W Standby:<2W; Full load:<120W

Power Supply:

- No, optional 48V/60W or 48V/120W industrial power supply

LED Indicator:

- Power indicator: PWR (Green); Network indicator: 1-4(Link/Act)/ (Green),5~6(Link/Act)/ (Green); POE indicator: PoE (Orange)

Operation TEMP / Humidity:

- -40~+80°C;5%~90% RH Non condensing

Storage TEMP / Humidity:

- -40~+85°C;5%~95% RH Non condensing

Dimension (L\*W\*H):

- 119\*100\*35mm

Net /Gross Weight:

- <0.5kg/<0.7kg

Installation:Desktop, 35mm DIN rail

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

- Model: HOP3412S136-2TX

- 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)