

**OverView:**

The HOP3412S136-2TP is a full Gigabit managed industrial POE switch independently developed by Huper. It has 4\*10/100/1000M POE ports and 2\*100/1000M uplink SFP fiber slot ports. Port 1-4 can support IEEE 802.3af/at standard POE power supply, single port POE power up to 30W, and the maximum POE output power is 60W (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, metallurgy and green energy construction and so on. A reliable communication networks.

The managed model supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms). When a one-way network fails, communication can be quickly resumed to ensure uninterrupted communication of important applications. HOP3412S136-2TP industrial series products fully comply with industrial product design and materials. The shell is made of aluminum alloy to enhance heat dissipation performance and IP40 protection level to ensure stable operation of equipment under harsh environment. You can configure PoE power management, port traffic control, VLAN division, STP, and RSTP for multiple application services based on the Web, CLI, and SNMP network management.

**Ethernet Interface:**

Model :

- HOP3412S136-2TP

Interface:

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

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 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:

- 12Gbps (Non-blocking)

Forwarding Rate @64byte: 8.93Mpps

MAC: 8K

Buffer Memory: 4M

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)

Optical Cable:

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

**Ethernet Interface:**

## Power Supply Pin:

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

## Operating Voltage:

- DC power supply, DC48-57V ultra-wide supply voltage, 5P Phoenix terminal connection, support anti-reverse protection

## Max/ Average Power Per Port:

- 30W/15.4W

## Total PWR / Input Voltage:

- 60W (48-57VDC)

## Power Consumption:

- Standby:<6W; Full load:<60W Standby:<7W; Full load:<120W

## LED Indicator:

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

## Power Supply:

- No, see accessories information table to buy and use

## Operation TEMP / Humidity:

- -40~+80°C;5%~95% RH Non condensing

## Storage TEMP / Humidity:

- -40~+85°C;5%~95% RH Non condensing

## Dimension:

- 145\*112\*48mm

## Net /Gross Weight:

- <0.7kg /<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 scheduling