

## JHA-IG05HP Series

5-port Unmanaged Industrial PoE Switch, with 4 10/100/1000Base-T(X) IEEE802.3af/at PoE/PoE+ Port and 1 10/100/1000Base-T(X) Ethernet Port

### Features



- Support 4 10/100/1000Base-T(X) PoE/PoE+ port and 1 10/100/1000Base-T(X) Ethernet port.
- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af/at.
- Support IEEE802.3af, maximum 15.4W power supply.
- Support IEEE802.3at, maximum 30W power supply.
- Industrial chip design, 15kV ESD protection, 8kV surge protection.
- DC48-58V redundancy power, reverse polarity protection.
- Industrial grade 4 design, -40-85° C operating temperature.
- IP40 rated aluminum alloy housing, DIN-Rail mounted.

### Introduction

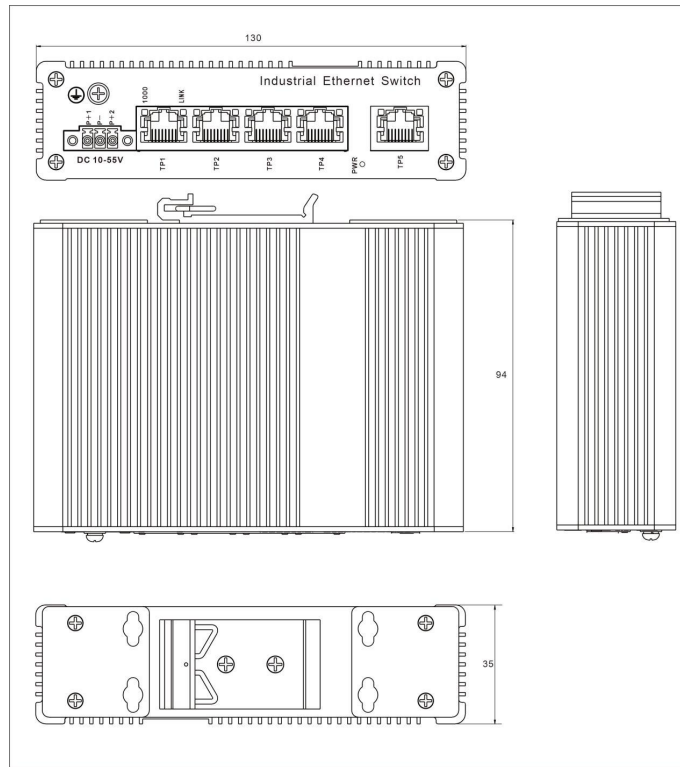
JHA-IG05HP is a plug-and-play unmanaged industrial PoE switch. This switch provides 5 10/100/1000Base-T(X) Ethernet port, which 4-port support Power-over-Ethernet (PoE) function (IEEE802.3af/at). The switches are classified as power source equipment (PSE), and when used in this way, the switches enable centralization of the power supply, providing up to 30 watts of power per port and reducing the effort needed for installing power. The switches can be used to power IEEE802.3af/at standard devices (PD), eliminating the need for additional wiring.

JHA-IG05HP support CE, FCC, RoHS standard, adopt industry standard design, IP40 protection, rugged high-strength metal case, power input (DC48-58V). The switch support IEEE802.3, IEEE802.3u, IEEE802.3x with 10/100/1000Base-T(X), full/half-duplex, and MDI/MDI-X auto-adaptation, the -40-85°C operating temperature, can meet all kinds of industrial environment requirement, providing reliable and economic solution for your industrial Ethernet network.

## Specification

|                              |  |
|------------------------------|--|
| <b>Protocol Standard</b>     | IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af/at  |
| <b>Flow Control</b>          | IEEE802.3x flow control, back press flow control   |
| <b>Switching Performance</b> | Forwarding Rate: 7.46Mpps<br>Transmission Mode: Store and Forward<br>Packet Buffer Size: 1M<br>System Exchange Bandwidth: 14Gbps<br>MAC Table Size: 8K<br>Delay Time: < 10μs   |
| <b>Ethernet Port</b>         | 10/100/1000Base-T(X) auto speed control, half/full duplex and MDI/MDI-X auto-adaptation  |
| <b>PoE</b>                   | Pin-out: 1/2(+), 3/6(-), IEEE802.3af max 15.4w, IEEE802.3at max 30w.   |
| <b>LED Indicator</b>         | Power indicator: PWR (green);<br>Optical port: FX (green);<br>Network port indicator: yellow(100 or POE) Green (Link)  |
| <b>Power Supply</b>          | Input Voltage: DC48-58V<br>Connector: 3P Phoenix terminal, dual power supply redundancy<br>Full Load: <60W<br>Protection Mechanism: overload protection, reverse connection protection, redundancy protection  |
| <b>Mechanical Structure</b>  | hell: IP40 protection, aluminum alloy shell<br>Dimension: 130*94*35mm( L*W*H )<br>Weight: 500g<br>Installation: DIN-Rail mounting, wall mounting   |
| <b>Operating Environment</b> | Operating Temperature: -40-85°C<br>Storage Temperature: -40-85°C<br>Ambient Relative Humidity: 5%-95% (non-condensing)   |
| <b>Industry Standards</b>    | IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)<br>IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us)<br>IEC 61000-4-3 Level 3 (10V/m)<br>IEC 61000-4-4 Level 3 (1V/2V)<br>IEC 61000-4-6 Level 3 (10V/m)<br>IEC 61000-4-8 Level4 (30A/m)<br>IEC 61000-4-11 Level3 (10V)<br>EMI CLASS A<br>IEC 61000-4-2 Level 4 (15KV/30KV)<br>Free fall 0.5m |
| <b>Certification</b>         | CE, FCC, RoHS  |
| <b>MTBF</b>                  | >100,000 Hours   |
| <b>Warranty</b>              | 5-years  |

**Dimension**



**Order Information**

| Model No.  | Description of Goods   |
|--|--|
| JHA-IG05HP   | Unmanaged Industrial PoE Switch, 4 10/100/1000Base-T(X) PoE/PoE+ and 1 10/100/1000Base-T(X), DIN-Rail, DC48-58V, -40-85° C Operating Temperature |
| <b>Power Supply:</b> DC48V DIN-Rail Power Supply or Power Adapter is Optional. |  |