



# 6-port Gigabit Industrial PoE Switch



**DATASHEET**

## OVERVIEW

The OTLS6P is a Gigabit industrial PoE switch. It has 6\*10/100/1000M adaptive RJ45 ports. Port 1-4 can support IEEE 802.3 af/at PoE standard and single-port PoE power up to 30W. 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 devices such as wireless AP, IP cameras, and industrial sensors through the network cable. It also meets the network environment that needs a high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, and sea transportation. Industrial scenes such as metallurgy and green energy, construction form a cost-effective, stable, and reliable communication network. Unmanaged mode, plug and play, no configuration, easy to use.

## FEATURE

### ■ Gigabit wire speed forwarding

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.
- ◇ Support gigabit RJ45 ports, high speed and high bandwidth connection to meet the needs of various scenarios.

### ■ Smart PoE power supply

- ◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 4\*10/100/1000Base-T RJ45 ports can support PoE power supply to meet the needs of PoE power supply in various scenarios in the industrial field.
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

### ■ Stable and reliable

- ◇ CCC, CE, FCC, RoHS.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- ◇ Low power consumption, aluminum alloy housing, and excellent heat dissipation to ensure the stable operation of the switch.

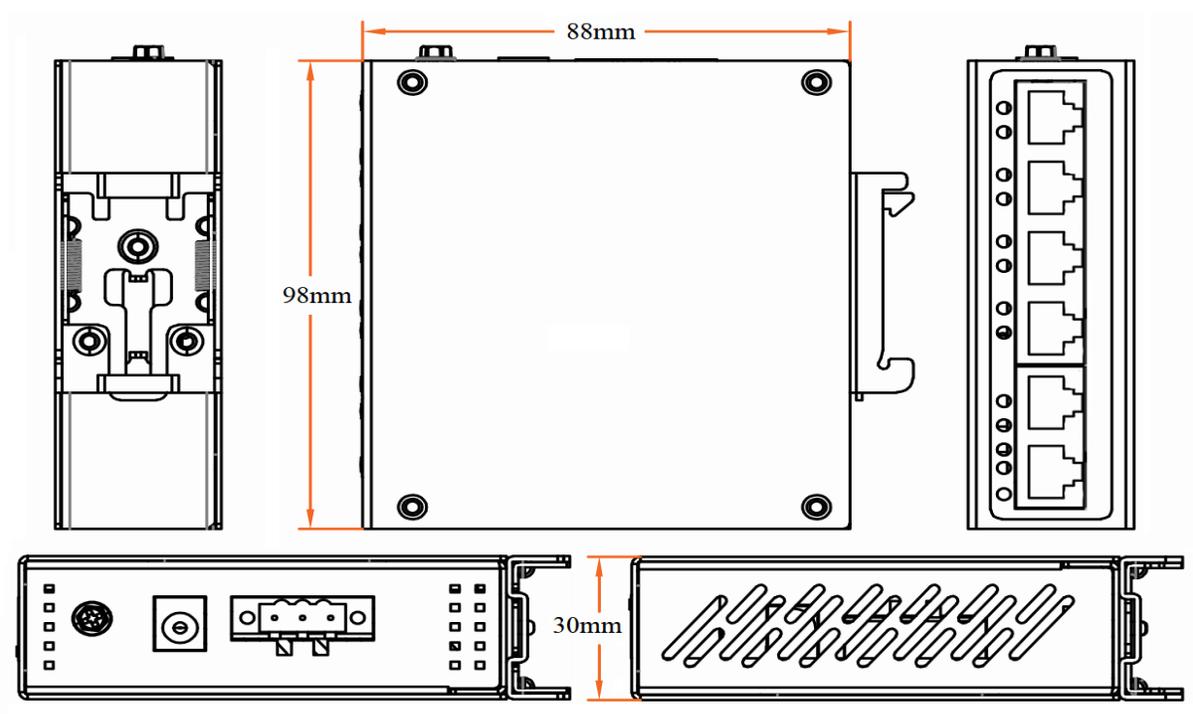
## TECHNICAL SPECIFICATION

| Model                            | IPS3064P  |
|----------------------------------|---|
| <b>Interface Characteristics</b> |   |
| Fixed Port                       | 2*10/100/1000Base-T uplink RJ45 ports (Data)<br>4*10/100/1000Base-T PoE ports (Data/ Power)   |
| Ethernet Port                    | Port 1-6 can support 10/100/1000Base-T(X) auto-sensing, full/ half duplex<br>MDI/ MDI-X self-adaption                               |
| Twisted Pair<br>Transmission     | 10BASE-T: Cat3,4,5 UTP (≤100 meters)<br>100BASE-TX: Cat5 or later UTP (≤100 meters)<br>1000BASE-T: Cat5e or later UTP (≤100 meters) |
| <b>Chip Parameter</b>            |   |
| Network Protocol                 | IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX,<br>IEEE 802.3ab 1000Base-T, IEEE 802.3x                          |
| Forwarding Mode                  | Store and Forward (Full Wire Speed)   |
| Switching Capacity               | 12Gbps (non-blocking)   |
| Forwarding Rate@64byte           | 8.93Mpps  |
| MAC                              | 8K  |
| Buffer Memory                    | 2M  |
| Jumbo Frame                      | 9.2K  |
| LED Indicator                    | Power: PWR (Green), Network: Link G1-G4 (Green), PoE: PoE G1-G4<br>(Green)  |
| <b>PoE &amp; Power Supply</b>    |   |
| PoE Port                         | Port 1-4  |
| Power Supply Pin                 | 1/2(+) 3/6(-)   |
| Max Power Per Port               | 30W, IEEE 802.3 af/at   |
| Power Consumption                | Standby<5W, Full load af<60W, at<120W   |
| Input Voltage/ Interface         | DC44-56V, 3P industrial terminal and DC power jack, support anti-reverse<br>protection  |
| Power Supply                     | No, optional 48V/36W or 48V/60W industrial power supply   |
| <b>Physical Parameter</b>        |   |
| Operation Temp/ Humidity         | -40~+75°C, 5%~90% RH Non condensing   |
| Storage Temp/ Humidity           | -40~+85°C, 5%~95% RH Non condensing   |

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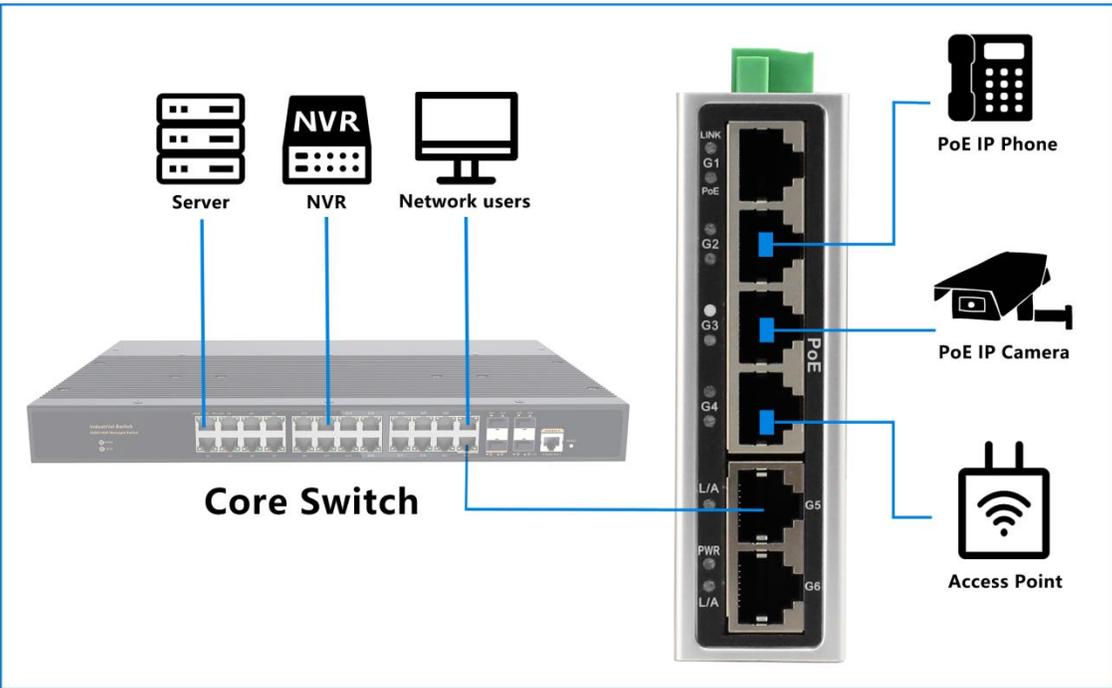
|                                     |  |
|-------------------------------------|--|
| Dimension                           | 98*88*30mm   |
| Net /Gross Weight                   | 0.25kg/ 0.35kg   |
| Installation                        | Desktop, 35mm DIN Rail   |
| <b>Certification &amp; Warranty</b> |  |
| Lightning Protection                | Protection level: IP30<br>Lightning protection: 6KV 8/20us<br>IEC61000-4-3 (RS):10V/m (80~1000MHz)<br>FCC Part 15/CISPR22 (EN55022): Class A<br>IEC61000-6-2 (Common Industrial Standard)<br>IEC61000-4-9 (Pulsed magnet field): 1000A/m<br>IEC61000-4-10 (Damped oscillation): 30A/m 1MHz<br>IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV<br>IEC61000-4-4(EFT): Power cable: ±4kV, data cable: ±2kV<br>IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s<br>IEC61000-4-2 (ESD): ±8kV contact discharge, ±15kV air discharge<br>IEC61000-4-6 (Radio frequency transmission): 10V(150kHz~80MHz)<br>IEC61000-4-8 (Power frequency magnetic field): 100A/m, 1000A/m, 1s-3s<br>IEC61000-4-5 (Surge): Power cable: CM±4kV/ DM±2kV, data cable: ±4kV |
| Mechanical Properties               | IEC60068-2-6 (Anti Vibration), IEC60068-2-32 (Free Fall), IEC60068-2-27 (Anti Shock)   |
| Certification                       | CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS   |
| Warranty                            | 5 years, lifelong maintenance.   |

## DIMENSION



## APPLICATION

-  **Plug and play**
-  **Wide temperature range**
-  **DIN Rail installation**



## ORDERING INFORMATION

| Model    | Description   | Recommended Power Supply |
|----------|---|--------------------------|
| IPS3064P | Unmanaged industrial PoE switch with 6*10/100/1000M RJ45 ports. Port 1-4 can support IEEE 802.3 af/at PoE standard. It can support dual DC power input and DIN rail mounting. | 60W/120W                 |

**Note:** The power supply is not included and needs to be purchased.

## PACKING LIST

| Packing List | Content                                     | Qty | Unit |
|--------------|---|-----|------|
|              | 6-port Gigabit industrial PoE switch        | 1   | Set  |
|              | User Guide                                  | 1   | PC   |
|              | Warranty Card and Certificate of Conformity | 1   | PC   |

## POWER SUPPLY

| Product                               | Model    | Description  | Unit |
|---------------------------------------|----------|--|------|
| 65W Desktop Power Adapter             | AP65-52  | Desktop 65W single set of output power adapter<br>Input Voltage: AC100V~240V 50-60Hz, 1.1A<br>Output Voltage: DC52V, 1.25A<br>Operation Temperature: -20°C to +65°C  | PC   |
| 110W Desktop Power Adapter            | AP110-52 | Desktop 110W single set of output power adapter<br>Input Voltage: AC100V~240V 50-60Hz, 2.0A<br>Output Voltage: DC52V, 2.15A<br>Operation Temperature: -20°C to +65°C | PC   |
| 60W DIN Rail Industrial Power Supply  | DP60-48  | DIN Rail 60W single set of output power supply<br>Input Voltage: AC100V~240V 50-60Hz, 1.0A<br>Output Voltage: DC48V, 1.25A<br>Operation Temperature: -40°C to +70°C  | PC   |
| 120W DIN Rail Industrial Power Supply | DP120-48 | DIN Rail 120W single set of output power supply<br>Input Voltage: AC100V~240V 50-60Hz, 2.3A<br>Output Voltage: DC48V, 2.5A<br>Operation Temperature: -40°C to +70°C  | PC   |

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