

## IPS-3005 Industrial Gigabit PoE Ethernet Switch



4 x 10/100/1000 Base-T 30w PoE ports  
1 x 10/100/1000 Base-T port  
Industrial switch



### Features

- Full Gigabit Ethernet ports
- IEEE 802.3af PoE & IEEE 802.3at PoE+ complaint
- 9K Jumbo frames
- L2 wire-speed switching engine
- 2K MAC forwarding addresses
- Industrial design: Fanless, wide operating temperature range (-40~75°C), Dual power input (12~58 VDC, dual input), IP30, DIN-Rail and Wall mounting option

### Description

CTS IPS-3005 is a 5-port, unmanaged Gigabit Ethernet switch compliant with both IEEE 802.3af and IEEE 802.3at PoE standards and delivers up to 30 watts power per port along with data on standard Ethernet cabling. The switch can be used to power IEEE 802.3af/at standard devices (PD), which eliminates the need for additional wiring and ease the deployment for applications to reach power source.

## Specification

### Interface

- LAN Port (Type):  
4 x 10/100/1000 Mbps PoE+
- Uplink Port (Type):  
1 x 10/100/1000 Mbps RJ-45

### Standard

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX/FX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3z 1000Base-X
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet Enhancements

### LED

P1, P2, ALM, PoE, Link & Speed

### HW Specification

- Store and forward, L2 wire-speed/  
non-blocking switching engine
- MAC addresses: 2K
- Jumbo frames: 9K Bytes
- MDI/MDIX Auto-crossover: Support  
straight or cross wired cables
- Auto Negotiation in TP ports

### Power Requirement

- Redundant power input, Reverse  
power protection
- Input voltage range: 12-58 VDC, 54-58V  
for PoE+, 48-58V for PoE
- Total Power consumption: Maximum  
123W

### Environmental Condition

- Operating temperature: -40°C ~75°C
- Storage temperature: -40°C ~85 °C
- Humidity (non-condensing): 5% ~95%

### Dimension & Weight

- Ingress protection: IP30
- Installation option: DIN-Rail mounting,  
Wall mounting
- Dimension:  
29mm x 107mm x 139mm(WxDxH)
- Weight: 0.375Kg

### EMC/Safety

- Vibration, shock & freefall:  
IEC60068-2-6, -27, -32
- Certification compliance: CE/FCC;  
EN-50121-4
- Electrical safety: CE
- EMC: FCC Part 15 Subpart B Class A,  
CISPR 22 (EN55022) Class A  
IEC61000-4-2, -3, -4, -5, -6 (Level 3)

## Order Information

### IPS-3005 Series

MODEL	Description	Gigabit Ethernet Port	
		10/100/1000BaseTX	1G(SFP)
IPS-3005	IPS-3005 Industrial Gigabit PoE Ethernet Switch	5	0

### Power Supply

DR-15-12	12V/15W DIN-Rail Power Supply	Working Temperature : -20°C ~55°C , 15W
MDR-20-12	12V/20W DIN-Rail Power Supply	Working Temperature : -20°C ~50°C , 20W
MDR-60-48	48V/60W DIN-Rail Power Supply	Working Temperature : -20°C ~55°C , 60W
SDR-75-48	48V/75W DIN-Rail Power Supply	Working Temperature : -25°C ~60°C , 75W
SDR-120-48	48V/120W DIN-Rail Power Supply	Working Temperature : -25°C ~60°C , 120W
WAP-POWER-48D240/SDR-240-48	48V/240W DIN-Rail Power Supply	Working Temperature : -25°C ~60°C , 240W

\* Choose the appropriate power supply based on power watt requirement