

IPS-3005-F1 Industrial Gigabit PoE Ethernet Switch



4 x 10/100/1000 Base-T 30w PoE
1 x 100/1000 Base-X SFP Industrial switch



Features

- Full Gigabit Ethernet ports
- IEEE 802.3af PoE & IEEE 802.3at PoE+ compliant
- 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-F1 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 100/1000 Mbps SFP

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
Full/Half Duplex Mode Operation

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-F1 Series

MODEL	Description	Gigabit Ethernet Port	
		10/100/1000BaseTX	1G(SFP)
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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

SFP-31-DR

MODEL	FIBER PORT					
	Speed(Mbps)	Type	Connector	Distance	Wavelength(nm)	Temperature
SFP-31FC-DR	100/1000	MM	LC	2KM/550M	1310	0°C to 70°C
SFP-31FC(SM-10)-DR	100/1000	SM	LC	10KM	1310	0°C to 70°C
SFP-31W2A(SM-10)-DR	100/1000	WDM	LC	10KM	TX:1310 RX:1550	0°C to 70°C
SFP-31W2B(SM-10)-DR	100/1000	WDM	LC	10KM	TX:1550 RX:1310	0°C to 70°C

SFP-31-D

MODEL	FIBER PORT					
	Speed(Mbps)	Type	Connector	Distance	Wavelength(nm)	Temperature
SFP-31FC-D	1000	MM	LC	550M	850	-40°C to 85°C
SFP-31FC-02-D	1000	MM	LC	2KM	1310	-40°C to 85°C
SFP-31FC(SM-10/20/40/80)-D	1000	SM	LC	10/20/40/80K	1310/1310/1310/1550	-40°C to 85°C
SFP-31W2A(SM-10/20)-D	1000	WDM	LC	10/20KM	TX:1310/1310 RX:1550/1550	-40°C to 85°C
SFP-31W2B(SM-10/20)-D	1000	WDM	LC	10/20KM	TX:1550/1550 RX:1310/1310	-40°C to 85°C