

IES-3005-F1 Industrial Gigabit Ethernet Switch



4 x 10/100/1000Base-T Ports
1 x 100/1000Base-X SFP Port
Industrial Switch

Features

- 9K Jumbo frames
- L2 wire-speed switching engine
- 2K MAC forwarding addresses
- Fanless & wide operating temperature range (-40 to +75°C)
- Dual power input (12~58 VDC) & Reverse power protection
- IP30
- DIN-Rail and Wall mounting option
- Hi-POT 1.5kV

Description

CTS IES-3005-F1 provides 5 Gigabit Ethernet ports to fulfill the needs of the rapid growth of communication traffic of Industrial network. To make the network truly plug-and-play, they are designed to fit in standard industrial applications without complex setup. CTS IES-3005-F1 also feature temperature-hardened designs with high reliability, they are able to overcome harsh environment, which is common in industrial applications.

Specification

Interface

- 4 x 10/100/1000Mbps (RJ-45)
- 1 x 100/1000Mbps (SFP)

Standard

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX/FX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3z 1000Base-X

LED

P1, P2, ALM, Link & Speed

HW Specification

- Store and forward L2 wire-speed/ non-blocking switching engine
- MAC addresses: 2K
- Jumbo frames: 9K Bytes
- Auto-negotiation in TP ports
- Auto-crossover for MDI/MDIX in TP ports

Power Requirement

- Redundant Power Input
- Reverse power protection
- Input voltage range: 12-58 VDC

Environmental Condition

- Operation: -40 ~ 75°C
- Storage: -40 ~ 85 °C
- Humidity: 5 to 95%, non-condensing

Dimension & Weight

- Ingress protection: IP30
- Dimension: 29.1 x 89.4 x 109.2 mm (WxDxH)
- Weight: 0.29Kg
- Installation option: DIN-Rail mounting, Wall mounting

EMC/Safety

- Vibration, shock & freefall: IEC60068-2-6, -27, -32
- Certification compliance: CE/FCC
- Electrical safety: CE
- EMC: FCC Part 15, CISPR 22 (EN55022) Class A, IEC61000-4-2, -3, -4, -5, -6 (Level 3)
- RoHS and WEEE: RoHS (Pb free) and WEEE compliant

Order Information

IES-3005-F1 Series

MODEL	Description	Gigabit Ethernet Port	
		10/100/1000BaseTX	1G(SFP)
IES-3005-F1	Industrial 5-Ports Gigabit Ethernet Switch	4	1

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