

## IES-3008-F2 Industrial Gigabit Ethernet Switch



6 x 10/100/1000Base-T Ports  
2 x 100/1000Base-X SFP Ports  
Industrial Switch



### Features

- 9K Jumbo frames
- L2 wire-speed switching engine
- 8K MAC forwarding addresses
- Fanless & wide operating temperature range (-40 to +75°C)
- Dual power input (12~58 VDC) & Reverse power protection
- IP30
- Hi-POT 1.5kV
- DIN-Rail and Wall mounting options

### Description

CTS IES-3008-F2 provides 8 Gigabit Ethernet ports to fulfill the needs of the rapid growth of communication traffic in the Industrial network. IES Unmanaged Series is designed for supporting not only standard industrial applications but also railway applications without complex setup to make the network truly plug-and-play.

## Specification

### Interface

- 6 x 10/100/1000Mbps (RJ-45)
- 2 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: 8K
- 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: 39 x 96.9 x 117.8mm(WxDxH)
- Weight: 0.39Kg
- Installation option: DIN-Rail mounting,  
Wall mounting

### EMC/Safety

- Vibration, shock & freefall: IEC60068-2-6,  
-27, -32
- Certification compliance: CE/FCC,  
EN 50121-4
- 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-3008-F2 Series

| MODEL       | Description                                | Gigabit Ethernet Port |         |
|-------------|--------------------------------------------|-----------------------|---------|
|             |                                            | 10/100/1000BaseTX     | 1G(SFP) |
| IES-3008-F2 | Industrial 8-Ports Gigabit Ethernet Switch | 6                     | 2       |

### 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<br>RX:1550/1550 | -40°C to 85°C |
| SFP-31W2B(SM-10/20)-D      | 1000        | WDM  | LC        | 10/20KM      | TX:1550/1550<br>RX:1310/1310 | -40°C to 85°C |