

## JetNet 3005f

### Industrial 5-port Entry-Level Ethernet Fiber Switch

- Provides true non-blocking switching performance
- Store-and-Forward switching architecture
- Supports Full/Half-Duplex, auto MDI/MDI-X on 10/100TX port
- Redundant DC power inputs
- Rigid aluminum case design complies with IP30 standard
- DIN-Rail / Wall-Mounting / Desktop installation
- Supports one Single / Multi-mode fiber port

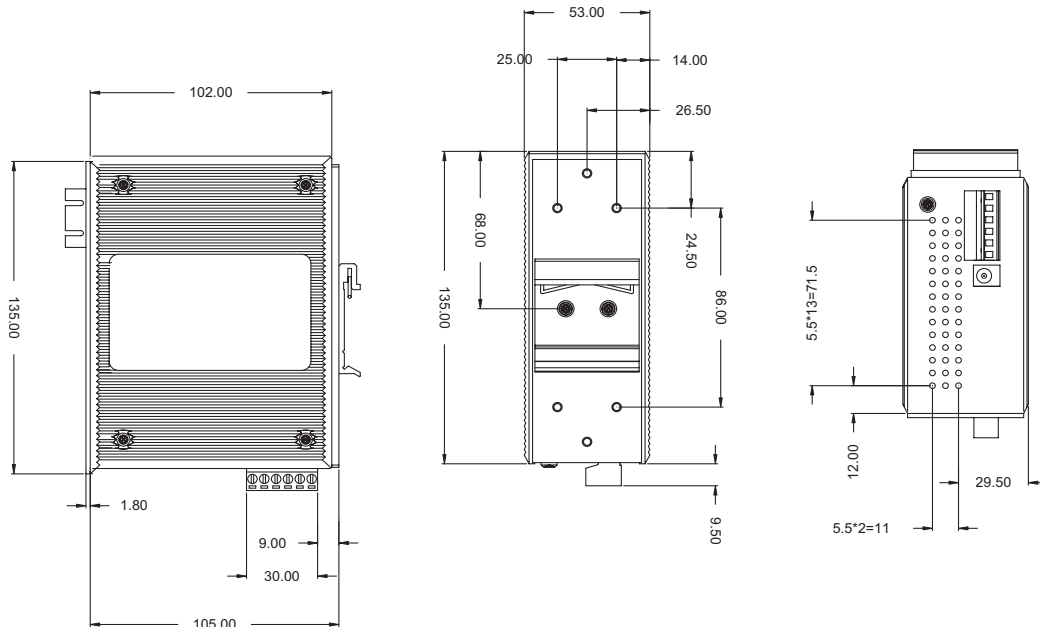


#### Overview

JetNet 3005f is a cost-effective 5-port entry level industrial rail switch. JetNet 3005f's robust aluminum case complies with IP30 standard protection. JetNet 4005f has four 10/100Base-TX ports and one 100Base-FX port for extending communication distance from 2,000 meters (multi-mode fiber) to 30 Km (single-mode fiber). To meet industrial device redundancy requirements,

JetNet 3005f is equipped with a terminal block to provide dual power inputs with reverse polarity protection. Adopting store-and-forward switching architecture greatly increases the network efficiency. JetNet 3005f delivers true non-blocking switching performance to all ports running at full wire speed without any loss of packets.

#### Dimensions (unit=mm)



## Specifications

### Technology

**Standard:**

IEEE 802.3 10Base-T Ethernet

IEEE 802.3u 100Base-TX Fast Ethernet

IEEE 802.3x Flow Control and Back-pressure

**Processing:** Store and Forward architecture

### Interface

**Number of Ports:** 4 x 10/100 Base-TX, Auto MDI/MDIX, 1 x 100 Base-FX**Network Cable:**

10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable, EIA/TIA-568 100-ohm (100m)

100Base-TX: 2-pair UTP/STP Cat. 5 cable, EIA/TIA-568 100-ohm (100m)

**Optical Cable:**

SC (Multi Mode): 50/125um to 62.5/125um

SC (Single Mode): 9/125um to 10/125um

Available distance: 2km (Multi Mode) / 30km (Single Mode)

Wavelength: 1310nm (Multi Mode/ Single Mode)

**LED Indicators:**

Per port: Link/Activity (Green), Full duplex/Collision (Green)

Per unit: Power x 3 (Green)

### Performance

**Transfer Rate:**

14,880 pps for Ethernet port and 148,800 pps for Fast Ethernet port

**Transfer packet size:** 64 bytes to 1522 bytes (with VLAN tag)**MAC Address:** 1K MAC address table**Memory Buffer:** 512Kbits**Back-plane:** 1.0 Gbps

### Power Requirements

**Power Supply:**

Input Voltage: 24 VDC(12 to 48 VDC), dual inputs

Reverse Polarity Protection: Present

**Power Consumption:** 2.8 Watts

### Mechanical

**Installation:** DIN-Rail kit and wall mounting ears**Casing:** IP-30 protection, aluminum case**Dimensions:** 53 mm (W) x 135 mm (H) x 105mm (D)

### Environmental

**Operating Temperature:** -10 to 70°C (14 to 158°F)**Operating Humidity:** 5% to 95% (Non-condensing)**Storage Temperature:** -40 to 85°C (-40 to 185°F)

### Regulatory Approvals

**EMI:** FCC Class A, EN55022 Class A**EMC:**

EN61000-4-2, EN61000-4-3, EN61000-4-4

EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

**Safety:** UL, cUL, EN60950**Shock:** IEC 60068-2-27**Free Fall:** IEC 60068-2-32**Vibration:** IEC 60068-2-6**MTBF:** 380,973 hours \* MIL-HDBK-217F GB (MILITARY HANDBOOK) standard**Warranty:** Global 5 years

## Ordering Information

**JetNet 3005f-m Industrial 5-Port Entry-Level Ethernet Fiber Rail Switch with one Multi-Mode 100Base-FX**

Includes:

- 4 x 10/100 Base-Tx, 1 x Multi Mode 100Base-Fx Switch
- Quick Installation Guide
- Documentation CD-ROM
- Wall mounting plate and six screws

**JetNet 3005f-s Industrial 5-Port Entry-Level Ethernet Fiber Rail Switch with one Single Mode 100Base-FX**

Includes:

- 4 x 10/100 Base-Tx, 1 x Single Mode 100Base-Fx Switch
- Quick Installation Guide
- Documentation CD-ROM
- Wall mounting plate and six screws