

JetNet 3005f-mw

Industrial 5-port Entry-Level Wide Temperature Ethernet Fiber Switch

- Provides true non-blocking switching performance
- Store-and-Forward switching architecture
- Supports Full/Half-Duplex, auto MDI/MDI-X on 10/100 Base-Tx ports
- 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
- Industrial-grade operating temperature: -40°C to 80°C

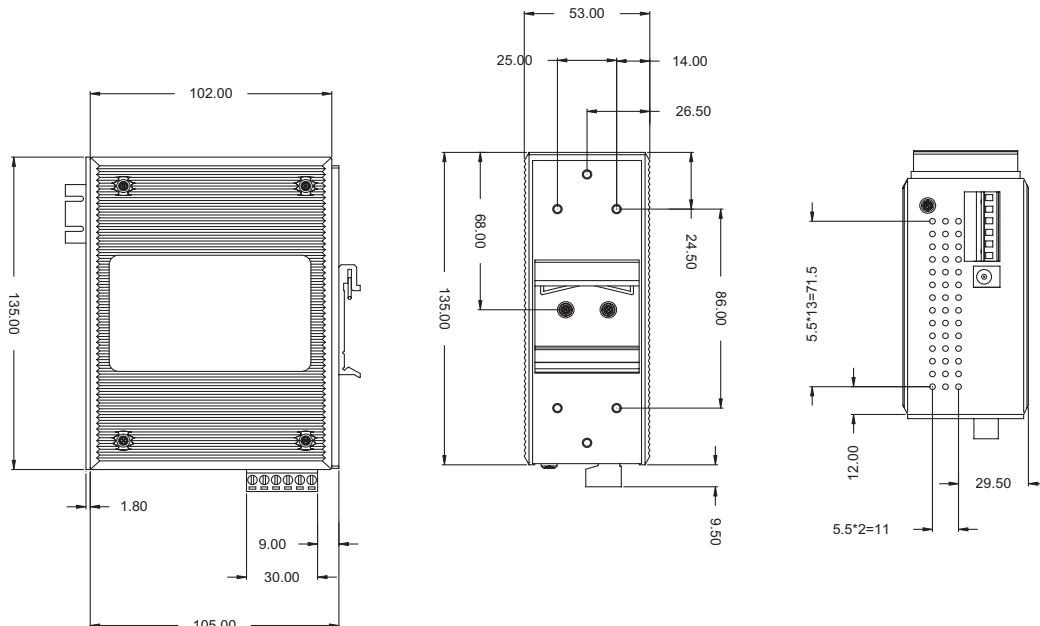


Overview

JetNet 3005f-mw is a cost-effective 5-port entry-level wide temperature industrial rail switch. JetNet 3005f-mw's robust aluminum case complies with IP30 standard protection. JetNet 3005f-mw 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-mw 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-mw delivers true non-blocking switching performance to all ports running at full wire speed without any loss of packets. To cope with harsh industrial environments, JetNet 3005f-mw's operating temperature can be as low as -40°C, and as high as 80°C, giving you extra assurance that your systems can run non-stop.

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: -40 to 80°C (-40 to 176°F)**Operating Humidity:** 5% to 95% (Non-condensing)**Storage Temperature:** -40 to 85°C (-40 to 185°F)

Regulatory Approvals

EMI: FCC Class A, EN 55022 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**Warranty:** Global 5 years

Ordering Information

JetNet 3005f-mw Industrial 5-Port Entry-Level Wide Temperature 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