

JetNet 3005-w

Industrial 5-port Entry-Level Wide Temperature Ethernet Switch

- Provides true non-blocking switching performance
- Store-and-Forward switching architecture
- Supports Full/Half-Duplex, auto MDI/MDI-X on each port
- Redundant DC power inputs
- Rigid aluminum case design complies with IP30 standard
- DIN-Rail / Wall-Mounting / Desktop installation
- Industrial-grade operating temperature: -40°C to 80°C

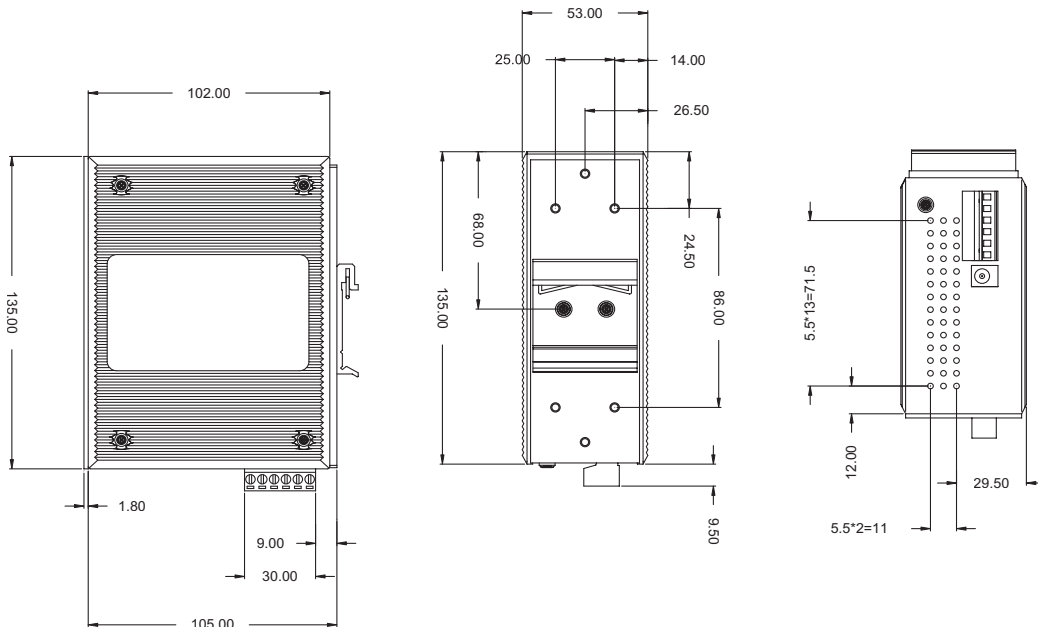


Overview

JetNet 3005-w is a cost-effective 5-port entry-level industrial rail switch. JetNet 3005w's robust aluminum case complies with IP30 standard protection. To meet industrial device redundancy requirements, JetNet 3005w 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 3005-w 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 3005w'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: 5 x 10/100 Base-TX, Auto MDI/MDIX**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)

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, 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**Warranty:** Global 5 years

Ordering Information

JetNet 3005-w Industrial 5-port Entry-Level Wide Temperature Ethernet Rail Switch

Includes:

- 5-port 10/100TX switch
- Quick Installation Guide
- Documentation CD-ROM
- Wall mounting plate and six screws