

JetNet 3005 Industrial Entry Level 5-port Ethernet Rail Switch



- Rigid aluminum case design complies with IP30 standard
- Supports both full and half-duplex, with auto-negotiation
- Store-and-Forward switching architecture
- Supports IEEE 802.3x flow control on full duplex, back pressure on half duplex
- Provides true non-blocking switching performance
- DIN-Rail or 3-way wall mounting installation
- Redundant power inputs
- Auto MDI/MDI-X on every port

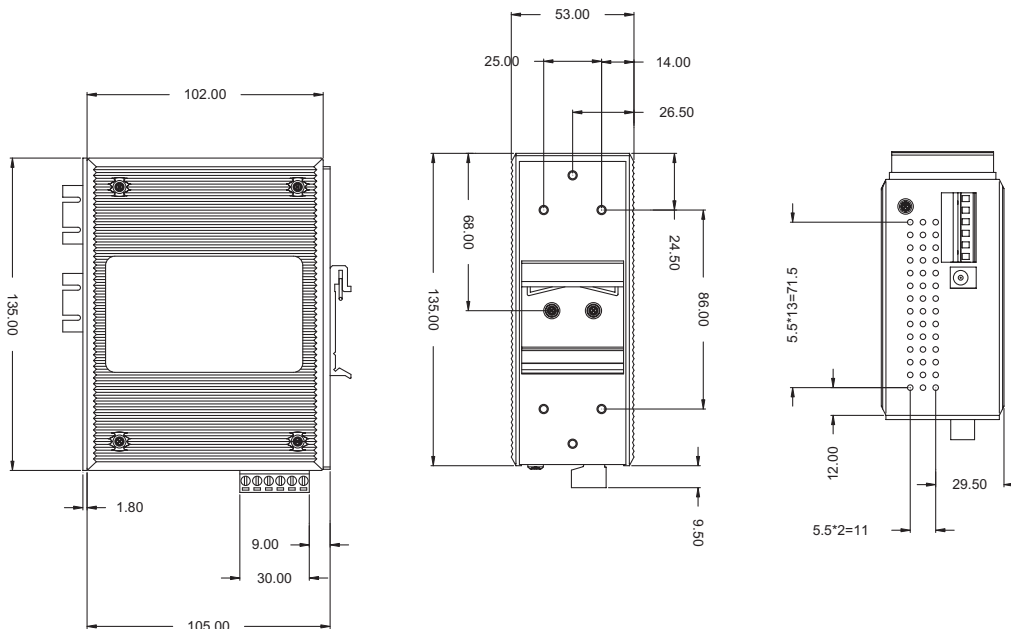


Overview

The JetNet 3005 is a cost-effective 5-port entry level industrial rail switch. This 35 mm industrial rail switch not only has all the functions of an unmanaged switch, but also uses a robust aluminum case that offers an IP30 standard protection. To meet industrial device redundancy requirements, JetNet 3005 is equipped with a terminal block to provide dual power

inputs with reverse polarity protection. Adapting store-and-forward switching architecture greatly increases the network efficiency. It delivers true non-blocking switching performance to all ports running at full wire speed without any loss of packets.

Dimensions (unit=mm)



Industrial Ethernet Rail Switch

Specifications

Standard:

IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet
IEEE 802.3x Flow Control and Back-pressure

Protocol : CSMA/CD

Technology: Store and forward switching architecture

Transfer Rate:

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

Transfer packet size: 64 bytes to 1522 bytes

MAC Address: 1K MAC address table

Memory Buffer: 512Kbits

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:

Per port: Link/Activity (Green), Full duplex/Collision (Green)
Per unit: Power x 3 (Green)

Back-plane: 1.0 Gbps

Number of Ports: 5 x 10/100 Base-TX

Power Supply:

12 to 48 VDC. Redundant power inputs with reverse polarity protection. A removable terminal block for master and slave power.

Power Consumption: 2.8 Watts

Installation:

DIN-Rail Kit, or wall mounting ears for 3-way installation

Operating Temperature: -10°C to 70°C (14°F to 158°F)

Operating Humidity: 5% to 95% (Non-condensing)

Storage Temperature: -40°C to 85°C (-40°F to 185°F)

Case Dimensions: IP-30, 53 mm (W) x 135 mm (H) x 105mm (D)

EMI:

FCC Class A, CE EN6100-4-2, CE EN6100-4-3, CE EN-6100-4-4,

Safety:

CE EN6100-4-5, CE EN6100-4-4
UL, cUL, CE/EN60950

Stability testing:

IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock),
IEC60068-2-6 (Vibration)

MTBF: 70,147 (hours)

* Calculated MTBF is based on MIL-HDBK-217F
(MILITARY HANDBOOK) standard

(This standardization handbook was developed by the US Department of Defense with the assistance of the military departments, federal agencies, and industry)

Ordering Information

JetNet 3005 Industrial Entry Level 5-port Ethernet Rail Switch

Includes:

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