

JetNet 3005 / JetNet 3008

Industrial 5 / 8-port Fast Ethernet Switch

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- 5/8-ports 10 / 100 TX redundant Fast Ethernet Switch
- 3.2Gbps Switch Fabric with excellent data exchange performance
- Support 1.5KV Hi-Pot isolation protection
- Redundant power input DC 12~48V
- Aluminum case with IP-31 grade protection
- -20~70°C operating temperature for hazardous environment application

Overview

JetNet 3005/3008 are low cost 5/8-port 10/100TX entry level industrial switch, equipped IP31 grade rigid aluminum case with a excellent heat radiation ability. To be operated under harsh power source, JetNet 3005/3008 are equipped with 2 power inputs in redundancy.

To provide excellent transmission performance, JetNet 3005/3008 adopt "store and forwarding" technology with a built-in 3.2Gbps switch fabric and deliver a real non-blocking and full wire speed performance on each port.

Plug-and-Play Switch & High-Speed Transmission

JetNet 3005/3008 series require no user setup and immediately start operating as soon as you power them up.

Excellent data transmission performance is provided for you. No works will be delayed with the transmission rate up to 3.2Gbps.

Redundant Power Inputs & True Reliability

Best with two DC24V input, and also compatible with range from 12V~48V. Dual power input and built-in reverse power polarity protection are designed as the redundant power system to ensure your power continuity.

With the 1.2KV Hi-Pot isolation protection, CE/FCC regulatory approvals, and 5-year global warranty, JetNet JetNet 3005/3008 are your reliable choice for hazardous applications.

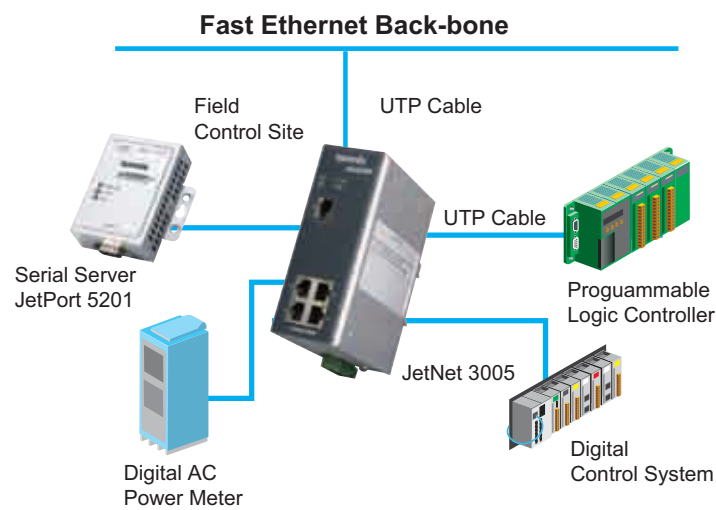
▶ Fault Relay Output & Hazardous Environment Application

One relay output is an important feature to let you know when there is any event of port link down. Just move up the DIP switch, the fault relay alarm will be functioning!

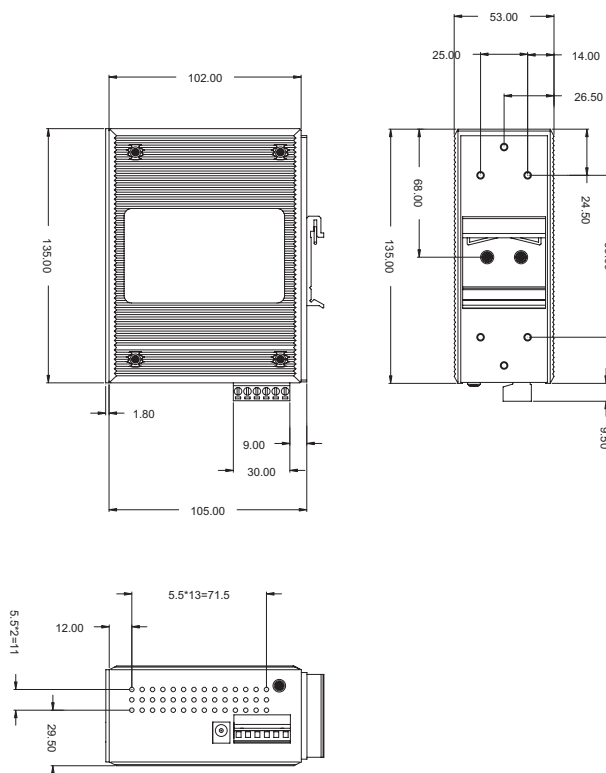
The award winning IP31 rigid aluminum flat casing

and wide operation temperature range ensure reliable operation for harsh environment. Extended operating temperature range is available for project-based request.

▶ Application



▶ Dimensions (Unit –mm)



Specification

Technology

Standard:

IEEE802.3 10Base-T
 IEEE802.3u 100Base-TX
 IEEE802.3x flow control

Switch Technology:

Store and forward technology and with 3.2Gbps switch bandwidth

Aggregate System Throughput: 1.49Mpps

MAC Address: 1K MAC

Packet Buffer: 512Kbits

Transfer performance: 14,880pps for Ethernet and 148,800pps for Fast Ethernet and handle packet size from 64 to 1522Bytes

Interface

Number of Ports:

JetNet 3005: 5 x 10/100 Base-TX with Auto MDI/MDI-X, Auto-Negotiation function

JetNet 3008: 8 x 10/100 Base-TX with Auto MDI/MDI-X, Auto-Negotiation function

Connectors:

10/100TX: RJ-45

Terminal Block: 6-pin for 2 x power input and 1 relay output DC power Jack x 1

Cables:

CAT-3, CAT-4, CAT-5 unshielded twisted pair or shielded twisted pair cable. The Link distance is 100 meters in maximum

Diagnostic LED:

Per system: Power (green) x3

Per RJ-45 port: Link (green on)/Activity(green blinking), Full

Power Requirements

System Power: 2 power input by terminal block

Input Voltage: DC 24V (12~48V) with reverse polarity protection.

Power Consumption:

JetNet 3005: 2.5 Watts @ DC 24V

JetNet 3008: 4.0 Watts @ DC 24V

Mechanical

Installation: DIN-Rail mount or Wall Mount

Case: IP-31 grade aluminum metal case

Dimension:

135mm(H) x 53mm (W) x 105mm (D) (without DIN rail clip)

Weight:

1.016kg with package, 0.68kg without package

Environmental

Operating Temperature: -20 ~70°C

Operating Humidity: 5% ~ 95%, (non-condensing)

Storage Temperature: -40 ~ 85 °C

Hi-Pot: 1.2KV for all ports and power

Regulatory Approvals

EMI: FCC Class A, CE/EN55022.

EMS:

EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

Safety: CE/EN60950

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

MTBF:

JetNet 3005: 448,564 Hours

JetNet 3008: 453,653 Hours

MIL-HDBK-217F GB standard

Warranty: 5 years

Ordering Information

JetNet 3005 Industrial 5-port Fast Ethernet Switch

Includes:

- JetNet 3005
- Wall mount panel
- Quick Installation Guide

JetNet 3008 Industrial 8-port Fast Ethernet Switch

Includes:

- JetNet 3008
- Wall mount panel
- Quick Installation Guide