

## 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.

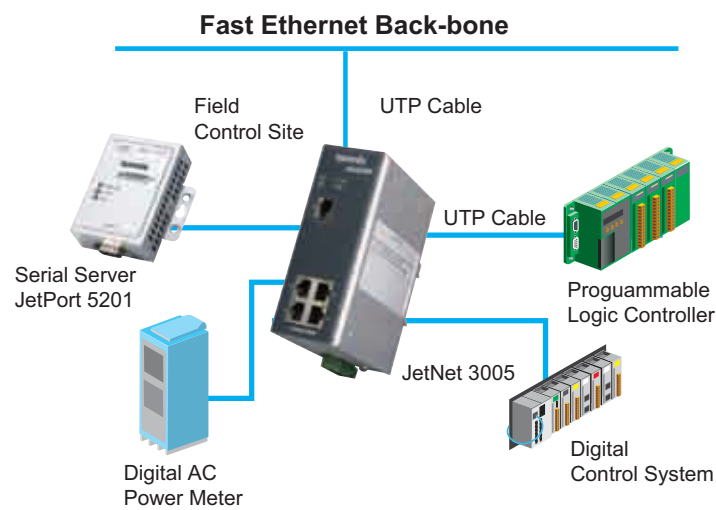
## ▶ Fault Relay Output & Hazardous Environment Application

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!

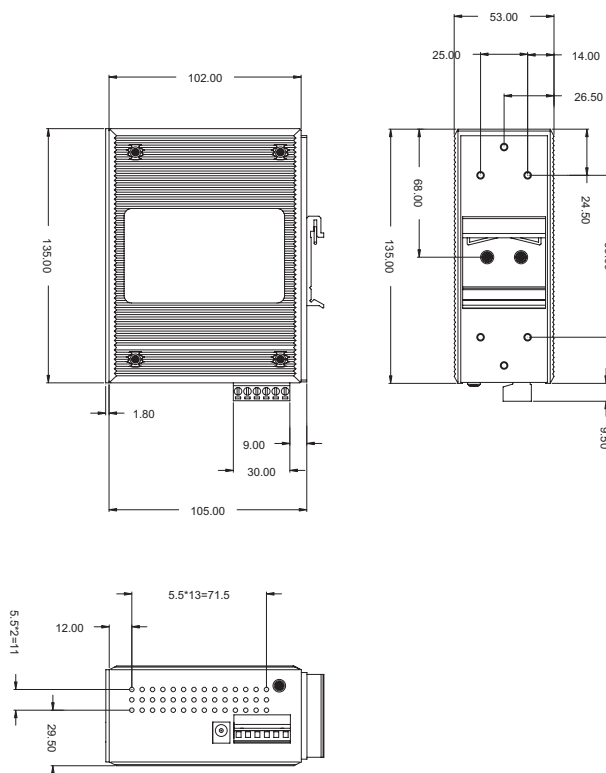
The award winning IP31 rigid aluminum flat casing

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