

JetNet 3005

Industrial 5-port Fast Ethernet Switch



- 5 10 / 100 TX redundant Fast Ethernet Switch
- 3.2Gbps Switch Fabric with excellent data exchange performance
- Support 1.2KV 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

CE FCC  RoHS

Overview

JetNet 3005 is low cost 5 port fast Ethernet switch, featuring an IP31 grade rigid aluminum case with excellent heat radiation ability. To be operated with dual power sources, JetNet 3005 is equipped with 2 power inputs in redundancy.

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

Plug-and-Play Switch & High-Speed Transmission

JetNet 3005 series requires no user setup and immediately starts 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.

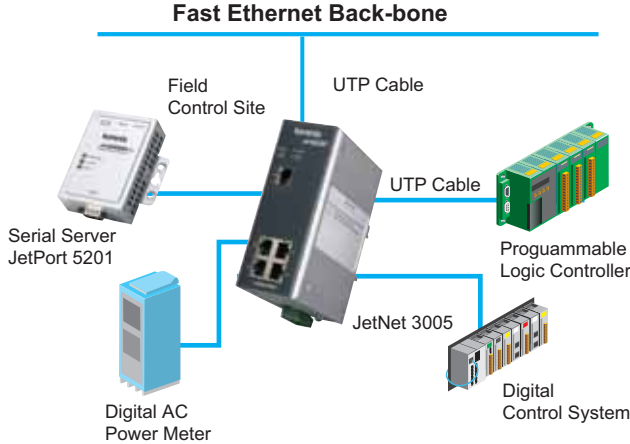
With the 1.2KV Hi-Pot isolation protection, CE/FCC regulatory approvals, and 5-year global warranty, JetNet 3005 are your reliable choice for hazardous applications.

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!

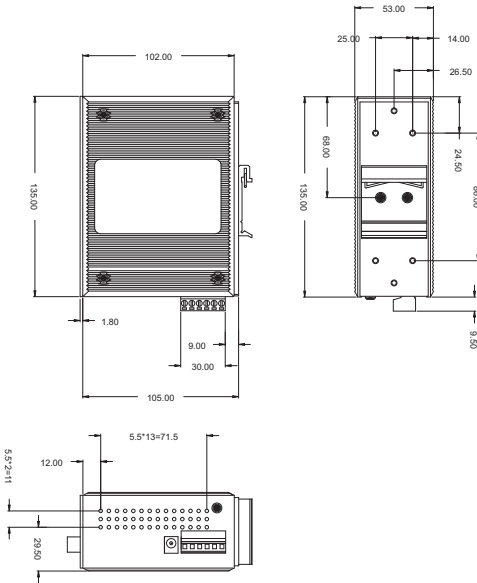
The IP31 rigid aluminum flat casing and wide operation temperature range ensure reliable operation for harsh environment. Extended operating temperature range is available for project-based request.

JetNet 3005 Appearance



- Industrial PoE Switch
- IP67/68 Ethernet Switch
- Rackmount Managed Switch
- Gigabit Switch
- Redundant Switch
- Entry-Level Switch
- Networking Computer
- Communication Computer
- Ethernet I/O Server
- Serial Device Server
- Media Converter
- Multiport Serial Card
- SFP Module
- Din Rail Power Supply

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: 5 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
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 duplex (Yellow on)/Collision (Yellow blinking)

Power Requirements

System Power: 2 power input by terminal block

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

Power Consumption: 3.5 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, UL/cUL

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

MTBF: 448,564 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
- CD User manual