

JetNet 3505 / 3508

Industrial 5 / 8-port Redundant Fast Ethernet Switch



- 5/8-ports 10/100 TX redundant Fast Ethernet Switch
- 3.2Gbps Switch Fabric with excellent data exchange performance
- Plug-n-Play Super Ring technology, back up system recovery time less than 20ms
- Support 1.2KV Hi-Pot isolation protection
- Redundant power input DC 12~48V
- Fault relay alarm
- Aluminum case with IP-31 grade protection
- -20~70°C operating temperature for hazardous environment application

Overview

JetNet 3505/JetNet 3508 are 5/8 port 10/100TX Industrial Fast Ethernet Switch with Redundant Ring (Super Ring) function, which provides a faster recover mechanism than IEEE802.1w Rapid Spanning Tree mechanism with easy configuration. The Super Ring function of JetNet 3505/3508 is compatible with JetNet 4000/4500 series.

JetNet 3505/3508 has built in relay alarm output

for port and power event. The feature of fault relay alarm aiming to inform you whenever there is any port link down. Just move up the DIP switch, the fault relay alarm will be functioning! To be operated in a harsh operating environment, JetNet 3505/3508 are equipped with dual power input and rigid aluminum case with excellent heat radiation for -20~70°C environment operating temperature.

Non-Stop Super Ring & Plug-and-Play Switch

Super Ring is Korenix Ring redundancy technology. The recovery time is <20 ms, the 1st Ring Port of the R.M. is the primary path. The 2nd Ring Port of the R.M. is the block path. Once the primary path is failed, the 2nd path will be recovered within 20ms

which gives you fault-tolerant connection.

JetNet 3505/3508 series require no user setup and immediately start operating as soon as you power them up.

High-Speed Transmission & Redundant Power Inputs

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

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.

▶ **Fault Relay Output & True Reliability**

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!

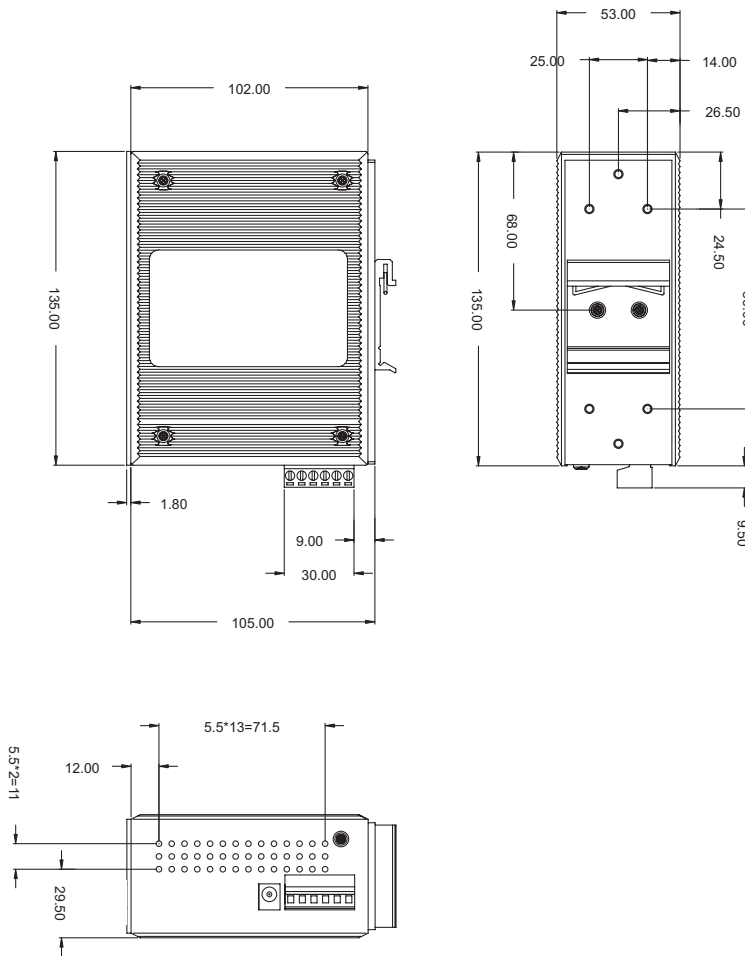
With the 1.2KV Hi-Pot isolation protection, CE/FCC regulatory approvals, and 5-year global warranty, JetNet 3505/3508 series are your reliable choice for hazardous applications.

▶ **Brilliant Idea for Hazardous Environment Application**

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.

▶ **Dimensions (Unit –mm)**



Specification

Technology

Standard

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

Performance

Switch Technology: Store and Forward Technology with 3.2Gbps Switch Fabric.

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

MAC Address: 2K MAC

Packet Buffer: 1Mbits

Network Redundancy

Super Ring: Recovery time less than 20ms and compatible with JetNet 4000, JetNet 4500 and JetNet 5010G.

Interface

Number of Ports:

JetNet3005: 5 x 10/100Base-TX with Auto MDI/MDI-X, Auto-Negotiation functions

JetNet3008: 8 x 10/100Base-TX with Auto MDI/MDI-X, Auto-Negotiation functions

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, Ring Master (blinking) x1

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

Full duplex (Yellow on)/Collision (Yellow blinking)

DIP Switch:

JetNet3505: 1 x 6-pin DIP Switch

DIP switch#1~#5:Port Link Down Alarm Enable (On)/ Disable(Off)

DIP switch #6:Ring Master Enable(On)/Disable(Off)

JetNet3508: 1 x 9-pin DIP Switch

DIP switch#1~#8:Port Link Down Alarm Enable (On)/ Disable(Off)

DIP switch #9:Ring Master Enable(On)/Disable(Off)

Relay Alarm: Dry Relay output with 1A@24V ability

Power Requirements

System Power: 2 power input by terminal block

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

Power Consumption:

JetNet 3505: 4 Watts @ DC 24V

JetNet 3508: 5.04 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:

JetNet 3505:

1.1kg with package

0.725kg without package

JetNet 3508:

1.106kg with package

0.731kg 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 3505: 305,482 Hours

JetNet 3508: 319,175 Hours

MIL-HDBK-217F GB standard

Warranty: 5 years

Ordering Information

JetNet 3505 Industrial 5-port Redundant Fast Ethernet Switch

Includes:

- JetNet 3505
- Wall mounting plate
- Quick Installation Guide

JetNet 3508 Industrial 8-port Redundant Fast Ethernet Switch

Includes:

- JetNet 3508
- Wall mounting plate
- Quick Installation Guide