

JetNet 3508

Industrial 8-port Unmanaged Redundant Ethernet Switch

- Redundant Ethernet Super Ring
- Plug-n-Play installation
- Alarm Relay Output for port break and power failure
- Supports Full/Half-Duplex, auto MDI/MDI-X on each port
- Redundant DC power inputs
- Rigid aluminum case design complies with IP30 standard
- DIN-Rail / Wall-Mounting / Desktop installation



Overview

JetNet 3508 is 8-port Plug-n-Play Unmanaged Redundant Ethernet Rail Switch, specially designed for industrial applications. JetNet 3508 supports plug-n-play Redundant Super Ring. JetNet 3508 also has redundant DC power inputs

Super Ring-Recovery Time < 300ms

One of the main topics in Industrial Automation field is to ensure your system will run non-stop. A minor failure in the communication process may cause the whole system to break down. As a result, you might suffer from substantial damage in terms of extra time and monetary losses. JetNet 3500 Series Switches are your ultimate solution. With Super Ring (Self-healing Redundant) technology, JetNet 3500 provides you with a self-recovery mechanism. If any segment of your

Alarm Relay Output

JetNet 3500 has a built-in relay contact. You can use this relay contact to set up your warning system based on your requirements. The relay output function will form a short circuit when power fails or port link breaks, and will automatically form an open circuit when port link or power

for power redundancy. The relay output for failure alarm enhances real-time system management. To meet the requirements of your harsh environment, JetNet 3508 uses a robust aluminum case, offering IP30 standard protection.

primary communication path is broken or disconnected, Super Ring technology allows JetNet 3500 to self-reconfigure and to provide a redundant path in the network. With its ultra fast recovery time, which is less than 300ms, your mission-critical applications are protected from any network interruptions or temporary malfunctions. With the recovery time that fast, you won't even notice a network failure.

input resumes. JetNet 3500 uses the relay output to trigger your warning system, and inform your maintenance engineers of the problems, allowing you to react promptly to the errors and adjust accordingly in the shortest time.

Specifications

Technology

Standard:

IEEE 802.3 10Base-T Ethernet

IEEE 802.3u 100Base-TX Fast Ethernet

IEEE 802.3x Flow Control and Back-pressure

Processing: Store and Forward architecture

Interface

Number of Ports: 8 x 10/100 Base-TX, Auto MDI/MDIX**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 Indicators:

Per port: Link/Activity (Green), Full duplex/Collision (Green)

Per unit: Power x 3 (Green), Fault (Red), R.M (Orange)

Alarm: Relay output for port break and power failure

Redundancy

Network Redundancy:

Super Ring with recovery time less than 300ms

Power Redundancy: Dual power inputs 24 VDC

Performance

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:** 2K MAC address table**Memory Buffer:** 1Mbits**Back-plane:** 1.6 Gbps

Power Requirements

Power Supply:

Input Voltage: 24 VDC(12 to 48 VDC), dual inputs

Reverse Polarity Protection: Present

Power Consumption: 4.6 Watts

Mechanical

Installation: DIN-Rail kit and wall mounting ears**Casing:** IP-30 protection, aluminum case**Dimensions:** 53 mm (W) x 135 mm (H) x 105mm (D)

Environmental

Operating Temperature: -10 to 70°C (14 to 158°F)**Operating Humidity:** 5% to 95% (Non-condensing)**Storage Temperature:** -40 to 85°C (-40 to 185°F)

Regulatory Approvals

EMI: FCC Class A, EN55022 Class A**EMC:**

EN61000-4-2, EN61000-4-3, EN61000-4-4

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

Safety: UL, cUL, EN60950**Shock:** IEC 60068-2-27**Free Fall:** IEC 60068-2-32**Vibration:** IEC 60068-2-6**MTBF:** 319,175 hours * MIL-HDBK-217F GB (MILITARY HANDBOOK) standard**Warranty:** Global 5 years

Ordering Information

JetNet 3508 Industrial 8-port Unmanaged Redundant Ethernet Rail Switch

Includes:

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