

JetNet 3008

Industrial 8-port Fast Ethernet Switch



- 8 10/100TX Ports with Auto MDI/MDI-X
- Compact size with full power redundancy
- 2.0Gbps Switch Fabric
- QoS for packet forwarding precedence
- Broadcast storm packet filtering.
- Port and power event alarm
- IP-31 aluminum alloy case
- DIN rail and wall mount
- Dual power input DC12~48V
- 1.5KV Hi-pot isolation protection

CE FCC ~~RoHS~~

Overview

The JetNet 3008 is a new generation 8-port compact Fast Ethernet switch equipped with 2.0Gbps Packet Switch engine as particular packet forwarding and filtering mechanism to fulfill industrial communications on the filed sites. It provides the packet forwarding ability to handle 64~1552 Bytes packet size into 2 priority queues which comply with quality of service for the best data forwarding performance.

In addition, for the best network performance, both broadcast storm filtering and flow control functions can ensure your data traffic deliver to destination

without traffic congestions.

To survive under hazard environments, it's equipped with 2 redundant power inputs, as the wide range input avoiding any power interruption and also operating between -25~70°C temperature range. For the purposes of easy maintenance, JetNet 3008 has one alarm-relay for port link events and power events via alarm to assist engineers with notifications on the filed sites. With the JetNet 3008, users enjoy the superiority and the reliable performance on the filed site applications.

Redundant Power Inputs & True Reliability

The JetNet 3008 has dual DC24V inputs, and can also operate on 12V~48V. Dual power inputs and built-in reverse power polarity protection are designed as the redundant power system to ensure power

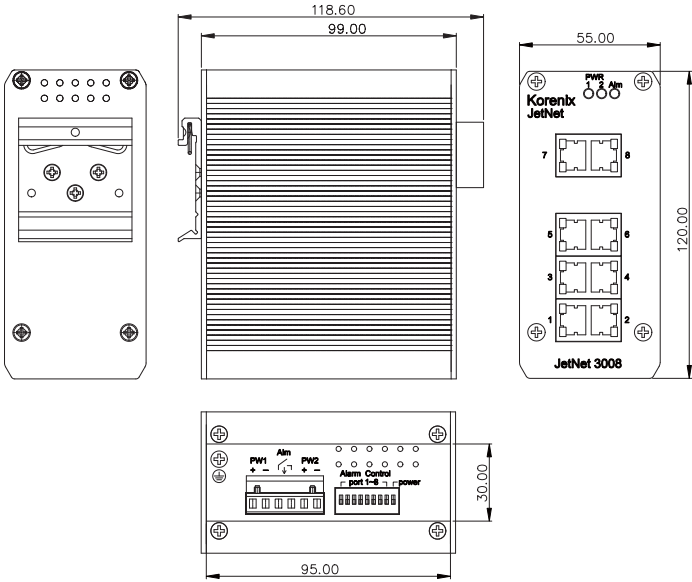
continuity. With the 1.5KV Hi-Pot isolation protection, CE/FCC regulatory approvals, and 5-year global warranty, the JetNet 3008 is the reliable choice for hazardous applications.

Plug-and-Play Switch & High-Speed Transmission

JetNet 3008 requires no user setup and immediately starts operating as soon as you power them up. Excellent data transmission performance is

provided for you. No traffic will be delayed with the transmission rate up to 2.0Gbps.

Dimensions (Unit –mm)



- 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

Specification

Technology

Standard:

IEEE802.3 10Base-T
 IEEE802.3u 100Base-TX
 IEEE802.3x flow control
 IEEE 802.1Q VLAN
 IEEE802.1p Class of Service

Switch Technology:

Store and forward technology and with 2.0Gbps Switch Fabric

System Performance

Aggregate System Throughput: 1.49Mpps

MAC Address: 2K MAC

Packet Buffer: 448Kbits

Transfer Packet Size:

14,880pps for Ethernet 10Base-T
 148,810pps for Fast Ethernet
 Packet size from 64~1552 Bytes (Long Packet forwarding ability)

Broadcast storm control: Default enabled.

traffic threshold: 200 packets/ Sec. @100Mbps; 20 packets/Sec. @ 10Mbps

Class of Service: Provides 2 packet forwarding Queues:

High Queue (4~7), Low Queue (0~3)

Quality of Service: Default Enabled. Supports VLAN tag priority and IPv4 packet precedence

Event alarm relay: Provides port and power event alarm; Enabled by 9-PIN Dipswitch

Interface

Number of Ports:

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

Connectors:

10/100 Base-TX: RJ-45

Power: Terminal Block

Alarm relay: Terminal block connector with 1A @DC24V carry ability

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) x2

10/100TX port: Link (Green on) / Activity (Green blinks)

100Mbps Link (Yellow on)/ 10Mbps Link (Yellow off)

Alarm: Port /Power Event (Red on)

Power Requirements

System Power: 2 Power inputs with redundancy and polarity reverse protection

Voltage: DC 24V (12~48V)

Power Consumption: 8 Watts @ DC 24V

Mechanical

Installation: DIN-Rail mount

Case: IP-31 grade aluminum metal case

Dimension:

120mm(H) x 55mm (W) x 108mm (D) (without DIN rail clip)

Weight:

0.775kg with package

0.525kg without package

Environmental

Operating Temperature: -25 ~70°C

Operating Humidity: 0% ~ 95%, (non-condensing)

Storage Temperature: -40 ~ 85 °C

Storage Humidity: 0% ~ 95%, (non-condensing)

Regulatory Approvals

EMI: FCC class A, CE/EN55022 class A

EMS:

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

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

MTBF: 400,000hours *MIL-HDBK-217F GB(MILITARY HANDBOOK) standard

Warranty: 5 years

Ordering Information

JetNet 3008 Industrial 8-port Fast Ethernet Switch

Includes:

- JetNet 3008
- Quick Installation Guide
- CD User manual