

JetNet 3008

Industrial 8-port Fast Ethernet Switch



CE FCC  RoHS

QoS Alarm 1.5KV Hi-Pot -34~70°C

- 8 10/100TX Ports with Auto MDI/MDI-X
- 2.0Gbps Switch Fabric with excellent data exchange performance
- IEEE 802.1p Quality of Service (QoS) for packet forwarding precedence
- Dual DC10~48V power inputs
- Broadcast storm packet filtering
- Port and power event alarm
- Supports AC 1.5KV Hi-pot isolation protection
- IP31 rugged aluminum case
- Operating temperature -34~70°C

Industrial Intelligent NMS

Rackmount PoE Plus Switch

Industrial PoE Plus Switch

Industrial 12-24V PoE Switch

Industrial PoE Switch

Rackmount L3/L2 Switch

Gigabit Managed Ethernet Switch

Managed Ethernet Switch

Entry-level Switch

Wireless Outdoor AP

Embedded PoE/Router Computer (LINUX)

Industrial Communication Computer (WIN/LINUX)

Ethernet/PoE/Serial Board

Ethernet I/O Server

Media Converter

Serial Device Server

SFP Module

Din Rail Power Supply

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 communication requirements on the field 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 delivery to destination

without traffic congestions. To survive under hazardous environments, it's equipped with 2 redundant power inputs, as the wide range input avoiding any power interruption and also operating between -34~70°C wide 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 field sites. With the JetNet 3008, users enjoy the superiority and the reliable performance on the field site applications.

Redundant Power Inputs & True Reliability

The JetNet 3008 has dual DC24V inputs, and can also operate on 10V~48V. Dual power inputs and built-in reverse power polarity protection are designed as the redundant power system to ensure power

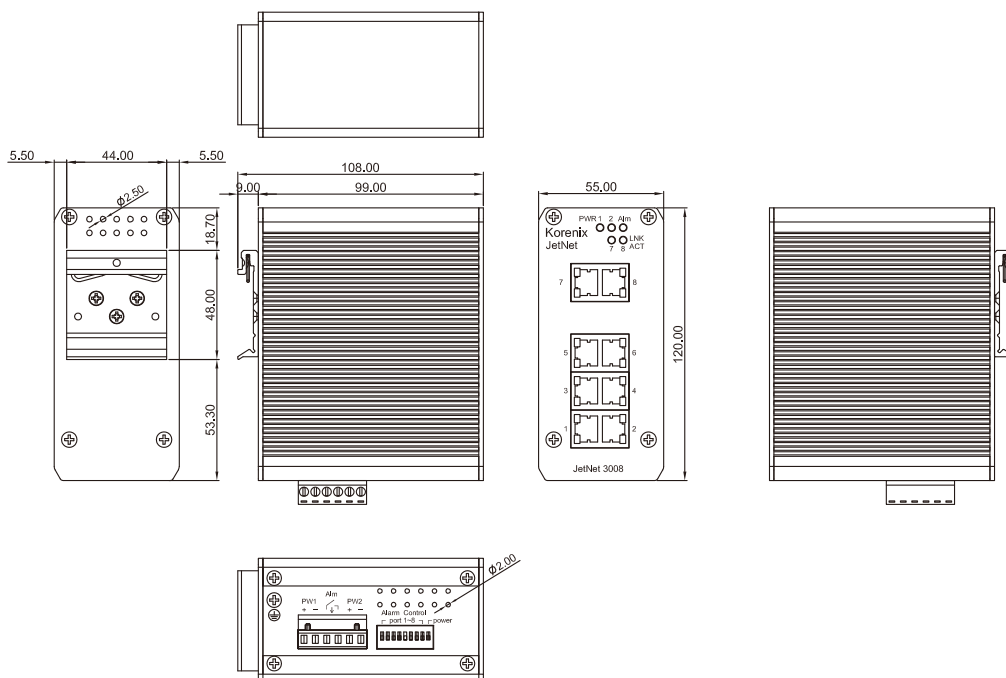
continuity. With the 1.5KV Hi-Pot isolation protection, CE/FCC regulatory approvals and 5-year global warranty, the JetNet 3008 is the reliable choice for hazardous applications.

Plug-and-Play Switch & High-Speed Transmission

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

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

Dimension (Unit = mm)



Specification

Technology

Standard:

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

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
 148,800pps 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: 6-pin removable terminal block

Alarm relay included in 6-pin removable terminal block:

Terminal block connector with 1A @DC24V carry ability

Cables:

Cat.3,Cat.4,Cat.5 or Cat.5e unshielded twisted pair or shielded twisted pair cable. The Link distance is 100 meters in maximum

Diagnostic LED: 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 (10~48V)

Power Consumption: 8 Watts @ DC 24V

Mechanical

Installation: DIN-Rail mount

Case: IP31 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: -34 ~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: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8

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

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Ordering Information

JetNet 3008 Industrial 8-port Fast Ethernet Switch

Includes:

- JetNet 3008
- Quick Installation Guide
- CD User manual