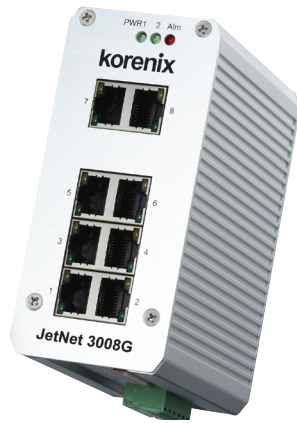


## JetNet 3008G

### Industrial 8-port Full Gigabit Ethernet Switch



- 8 Gigabit Ethernet Ports with Auto MDI/MDI-X
- 9.6K bytes Jumbo frame for large file transmission
- IEEE 802.1p Quality of Service (QoS) for packet forwarding precedence
- Broadcast storm packet filtering
- Dual DC 12~48V power inputs
- Port and power event alarm
- IP31 rugged aluminum case
- Operating temperature -10~70°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 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

JetNet 3008G, the 8-port full Gigabit Industrial Ethernet Switch, ensures high switching performance and easy installation which is an ideal solution for the most bandwidth demanding applications such as IP surveillance.

Along with its high switching performance, JetNet 3008G supports QoS, broadcast storm filtering to ensure quality traffic transmission. JetNet 3008G further supports up to 9.6K bytes Jumbo frame for efficient data transmission.

JetNet 3008G is designed for operating reliably under harsh environments. JetNet 3008G supports dual power inputs and one alarm relay to indicate fault conditions when any link or power failure happens as a result, increasing the system reliability. Its IP31 rugged aluminum housing provides great injection protection and heat dispersion capability for the need of -10~70°C wide operating temperature.

## Plug-&Play and Full Gigabit Switching

JetNet 3008G requires no user setup and starts operating as soon as it is turned on. Its 8 Full Gigabit ports ensure high-speed data transmission.

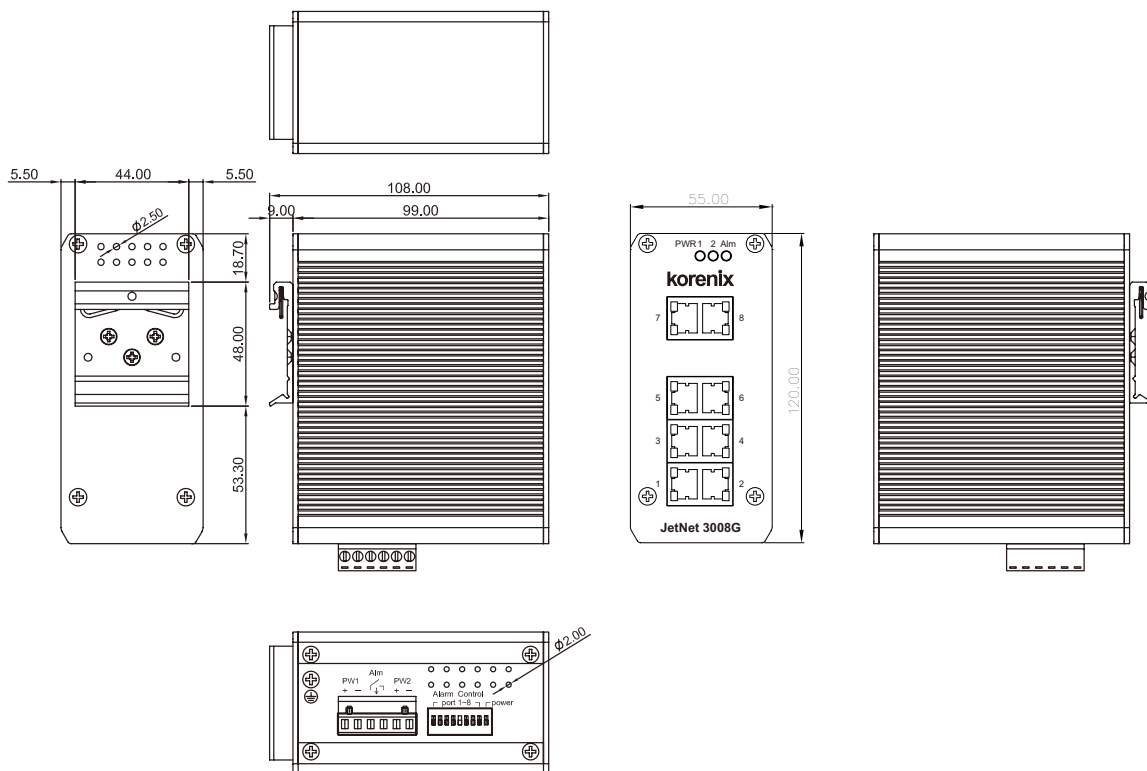
With JetNet 3008G, users benefit from its easy and high switch performance.

## 9.6K-Byte Jumbo Frame

The typical Ethernet frame ranges from 64 to 1518 bytes. This is sufficient for general usage. However, when users need to transmit large files, the files may be divided into many small

size packets. Comparing to small packets, 9.6K bytes Jumbo frame technology provides greater network transmission efficiency.

## Dimension (Unit = mm)



## Specification

### Technology

#### Standard:

IEEE802.3 10Base-T  
 IEEE802.3u 100Base-TX  
 IEEE802.3ab 1000Base-T  
 IEEE802.1p Class of Service  
 IEEE802.1Q Quality of Service  
 IEEE802.3x Flow Control

### System Performance

**Aggregate System Throughput:** 1.49Mpps

**MAC Address:** 4K MAC

**Packet Buffer:** 192Kbits

#### Transfer Packet Size:

14,880pps for Ethernet 10Base-T

148,800pps for Fast Ethernet

1488,100pps for Gigabit Ethernet

Packet size from 64~1518 Bytes

**Jumbo Frame:** 9,720 Bytes (gigabit only)

**Broadcast storm control:** Default enabled.

Traffic threshold:

128Mbps@1000Mbps;

12.8Mbps@100Mbps;

1.28Mbps@10Mbps

**Quality of Service:** Default Enabled. Compliance with IEEE802.1p class of service with Tag Based Priority. Each port support 4 priority queues with 8(Higher):4(High):2(Low):1(Lowest) scheduling. The Tag Priority ID as following: Higher (6,7), High (4,5), Low (0,3), Lowest (1,2)

**Event alarm relay:** Enabled by 9-pin Dip switch . Provides port (SW1-8) and power (SW9) event alarm.

### Interface

#### Number of Ports:

8 x 10/100/1000 Base-T(X) with F/H Duplex, Auto MDI/MDI-X, Auto-Negotiation function

#### Connectors:

10/100/1000 Base-T(X): 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

Port: Link (Green on) / Activity (Green blink)

Port: 1000Mbps (Yellow on) / 100 or 10Mbps (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:** max 8 Watts @ 48VDC

**Current:** 0.2A @12VDC

### 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:** -10~70°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

**Warranty:** 5 years

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## Ordering Information

### JeNet 3008G Industrial 8-port Full Gigabit Ethernet Switch

Includes:

- JetNet 3008G
- Quick Installation Guide