

## JetNet 2005

### Industrial 5-port Compact Fast Ethernet Switch



- 5 10/100TX Ports with Auto MDI/MDI-X
- Slim-sized for Industrial Din-rail Application
- 18~32VDC Power Input
- Relay Output for Port Alarm
- Supports AC 1.5KV Hi-pot isolation protection
- IP31 rugged aluminum case
- Operating temperature -25~70°C (-40~75°C wide temperature model available by request)



- 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

Korenix JetNet 2005 is an Industrial 5-port 10/100Base-TX Ethernet switch. JetNet 2005 adopts slim industrial design to save rail space for compact systems. In order to survive under harsh environment, JetNet 2005 features an industrial-grade aluminum case with IP31 grade protection ability against dust and water.

JetNet 2005 provides one relay output for port link down events, which is enabled/ disabled by the DIP switch. Moreover, JetNet 2005 has good immunity against unstable power source and can accept DC 18~32V power input by terminal block.

### Plug-and-Play Switch & High-Speed Transmission

JetNet 2005 series require no user setup and immediately start operating as soon as you power it up.

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

### Compact Size & Fault Relay Output

The slim-sized design makes it an ideal model that would physically fit in a network environment with limited space. 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!

### True Reliability for the Best Support

With the 1.5KV Hi-Pot isolation protection, CE/FCC/UL508 regulatory approvals, and 5-year global

warranty, JetNet 2005 series are your reliable choice for hazardous applications.

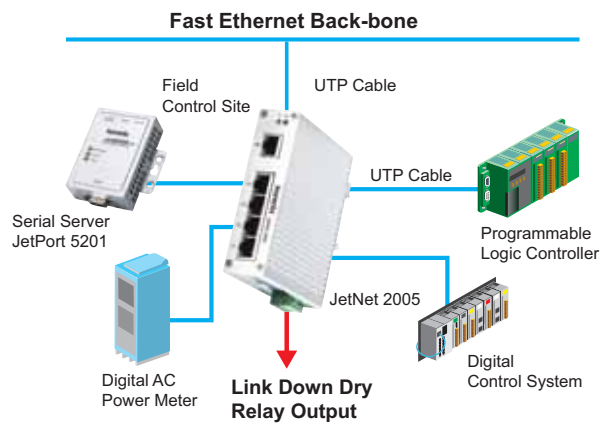


## Easy Installation & Brilliant Idea for Hazardous Environment Application

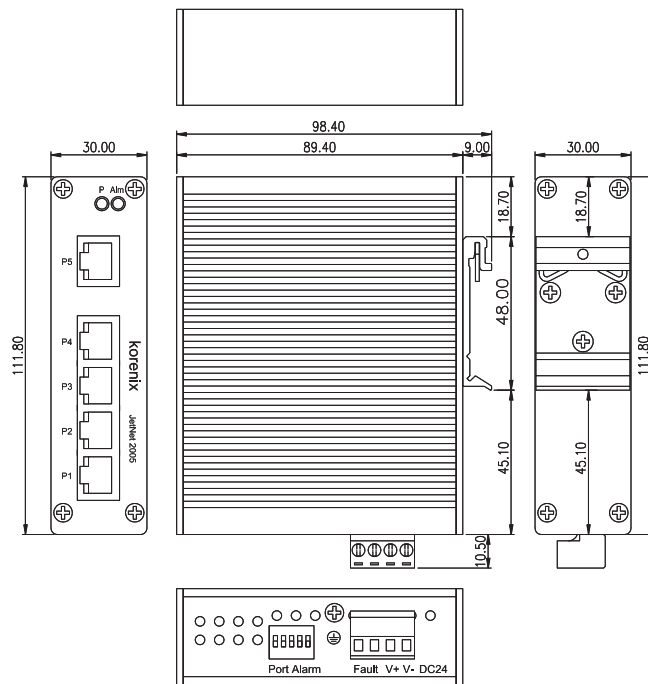
JetNet 2005 series can be easily wall mounted and mounted directly on DIN rail.  
The IP31 rigid aluminum flat casing and wide

operation temperature range ensure reliable operation for harsh environment. Extended operating temperature range is available for project-based request.

### JetNet 2005 Application



### Dimension (Unit = mm)



## Specification

### Technology

#### Standard:

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

#### Switch Technology:

Store and forward technology and with 3.2Gbps switch fabric

**Aggregate System Throughput:** 1.49Mpps

### Interface

#### Number of Ports:

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

#### Connectors:

10/100 Base-TX: RJ-45  
Power/Relay: Removable Terminal Block

#### Cables:

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

#### Port Alarm DIP Switch:

DIP 1~5: Port Event Alarm Control  
On: Enable port link down alarm  
Off: Disable port link down alarm

#### Diagnostic LED:

System: Power (green), Fault (red on)  
RJ-45 port: 100Mbps Link (green on)/Activity(green blinking)  
10Mbps Link (yellow on)/Activity(yellow blinking)

### Power Requirements

#### System Power:

DC 18~32V with reverse polarity protection

**Power Consumption:** 3.0 Watts @ DC 24V

### Mechanical

**Installation:** DIN-Rail mount

**Case:** Aluminum case with IP31 protection

#### Dimension:

111.8mm(H) x 30mm (W) x 98.2mm (D) ( with DIN rail clip)  
111.8mm(H) x 30mm (W) x 89mm (D) ( without DIN rail clip)

#### Weight:

372g with package  
290g without package

### Environmental

**Operating Temperature:** -25 ~ 70°C (JetNet 2005)

-40 ~ 75°C (JetNet 2005-w)

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

**Storage Temperature:** -40 ~ 85 °C

**Hi-Pot:** 1.5KV for all ports and power

### Regulatory Approvals

**EMI:** FCC Class A, CE/EN55022.

**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

**Safety:** UL 508

**Hazardous Location:** UL/cUL Class 1 Division 2

Groups A/B/C/D

**Shock:** IEC60068-2-27

**Vibration:** IEC60068-2-6

**Free Fall:** IEC60068-2-32

**MTBF:** 818,646 Hours, MIL-HDBK-217F GB standard

**Warranty:** 5 years

Industrial  
Intelligent  
NMS

Rackmount  
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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

## Ordering Information

**JetNet 2005 Industrial 5-port Compact Fast Ethernet Switch, -25~70°C operating temperature**

**JetNet 2005-w Industrial 5-port Compact Fast Ethernet Switch, -40~75°C operating temperature**

**JetNet 2005f-m Industrial 5-port Compact Ethernet Fiber Switch, 1 SC/Multi-mode, 2KM**

**JetNet 2005f-s Industrial 5-port Compact Ethernet Fiber Switch, 1 SC/Single-mode, 30KM**

Includes:

- JetNet 2005 / 2005-w / 2005f-m / 2005f-s
- Quick Installation Guide