

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
- 18~27VAC or 18~32VDC Power Inputs
- 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)



18~27VAC
18~32VDC

1.5KV
Hi-Pot

Alarm

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 AC 18~27V or 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!

Dual Mode for Power Input & True Reliability for the Best Support

AC 18V~27V or DC 18V~32V is available for different operating environments.

With the 1.5KV Hi-Pot isolation protection, CE/FCC

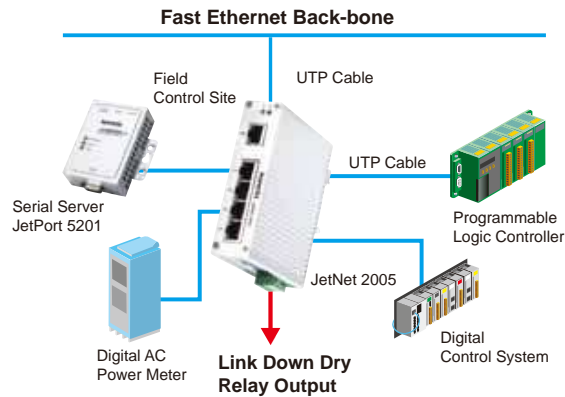
/UL508 regulatory approvals, and 5-year global warranty, JetNet 2005 series are your reliable choice for hazardous applications.

Easy Installation & Brilliant Idea for Hazardous Environment Application

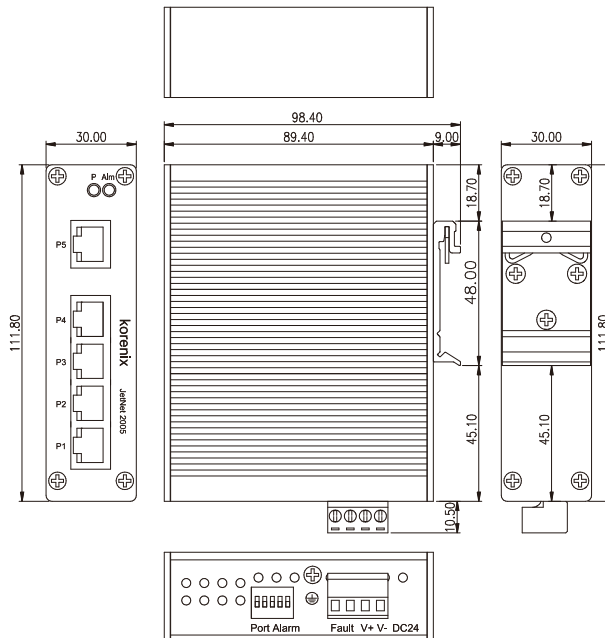
JetNet 2005 series can be easily wall mounted and mounted directly on DIN rail.
The IP31 rigid aluminum flat casing and wide

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
or AC 18~27V, 47~63Hz

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

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

Ordering Information

Art. No. 113231 JetNet 2005 Industrial 5-port Compact Fast Ethernet Switch, -25~70°C operating temperature

Art. No. 121463 JetNet 2005-w Industrial 5-port Compact Fast Ethernet Switch, -40~75°C operating temperature

Includes:

- JetNet 2005 / 2005-w
- Quick Installation Guide