JetNet 2005 / 2005-w
Industrial 5-port Compact Fast Ethernet Switch

- 5-port 10/100 TX Compact Fast Ethernet switch
- 3.2Gbps Switch Fabric with excellent data exchange performance
- Support 1.5KV Hi-Pot isolation protection
- Dual mode for power input, AC18-27V/DC18-32V
- Fault relay alarm
- Aluminum case with IP-31 grade protection
- -20~70°C operating temperature for hazardous environment application
  (JetNet 2005-w: -40 ~ 75°C, available by request)

CE FC RoHS

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. JetNet 2005 is powered by 18~27VAC or 18~32VDC from a 4-pin 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-line 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.
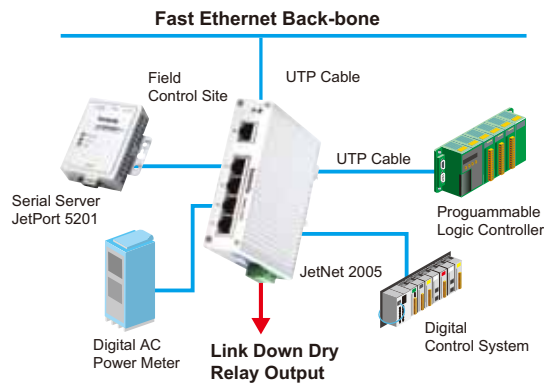With the 1.5KV Hi-Pot isolation protection, CE/FCC regulatory approvals, and 5-year global warranty, JetNet 2005 series are your reliable choice for hazardous applications.

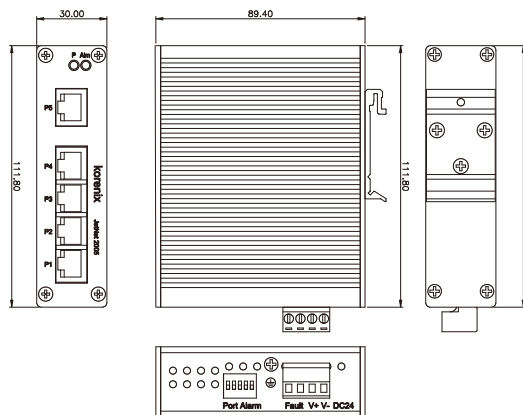## Easy Installation & Brilliant Idea for Hazardous Environment Application

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

Fast Ethernet Back-bone

Field Control Site
UTP Cable
UTP Cable
Serial Server JetPort 5201
Proguammable Logic Controller
JetNet 2005
Digital AC Power Meter
Digital Control System
Link Down Dry Relay Output

Dimensions (Unit –mm)

30.00
89.40
111.80
111.80
111.80

Port Alarm   Fault   V+ V- DC24

JET NET

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: 4-pin terminal block
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:
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:
2 pins terminal block for power input.
DC 18~32V with reverse polarity protection.
AC 18~27V, 47~63Hz
Power Consumption: 3.5 Watts @ DC 24V

Mechanical
Installation: DIN-Rail mount
Case: Aluminum case with IP-31 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: -20 ~70°C
(JetNet 2005-w: -40 ~ 75°C)
Operating Humidity: 0% ~ 95%, (non-condensing)
Storage Temperature: -40 ~ 85 $^\circ$C
Hi-Pot: 1.5KV for all ports and power

Regulatory Approvals
EMI: FCC Class A, CE/EN55022.
EMS:
EN61000-4-2
EN61000-4-3
EN61000-4-4
EN61000-4-5
EN61000-4-6
EN61000-4-8
EN61000-4-11
Safety: CE/EN60950
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

JetNet 2005 Industrial 5-port Compact Fast Ethernet Switch

Includes:

■ JetNet 2005
■ Quick Installation Guide