

## JetNet 2005

### Industrial 5-port Compact Ethernet Switch

- Industrial Ethernet Switch with 5 Auto-MDI/MDI-X 10/100-TX Ports
- Slim-sized for Industrial Din-rail Application
- Support 10/100/100Base-TX Auto MDI/MDI-X and Auto Negotiation
- 18~27VAC or 18~32VDC Power Input by 2-pin Terminal Block
- Relay Output for Port Alarm
- IP 30 Case Protection
- DIN-Rail Mount

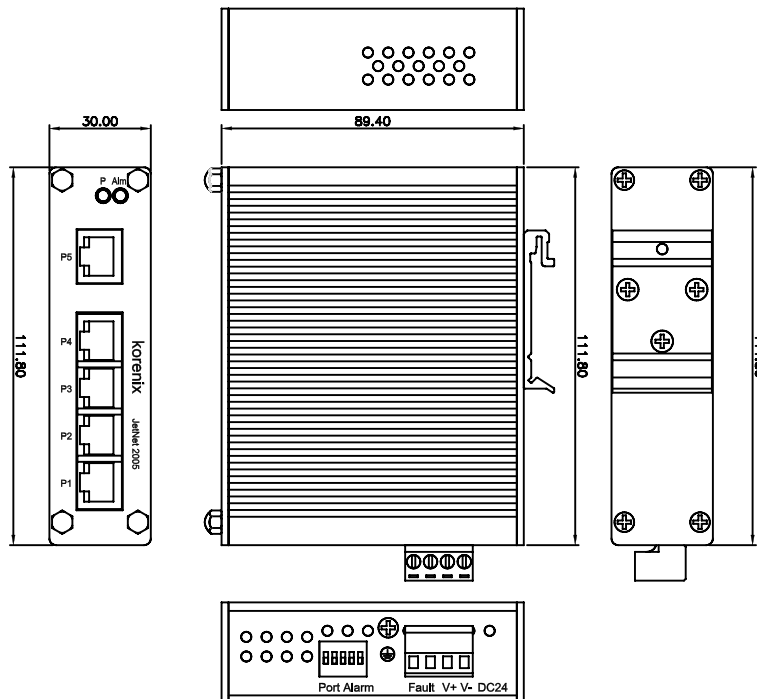


### Overview

Korenix JetNet 2005 is an Industrial 5-port 10/100Base-TX Ethernet switch. JetNet 2005 adopts slim industrial design to save rail space of compact system requirement. In order to survive under harsh environment, JetNet 2005 chooses industrial-grade aluminum case with IP30 standard

protection. JetNet 2005 provides one relay output to alarm port break events, which is enabled/disabled by the dip switch. JetNet 2005 is powered by 18~27VAC or 18~32VDC from the 2-pin terminal block.

### Dimensions (unit=mm)



## Specifications

### Technology

**Standard:**

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

**Switch Technology:**

Store and forward technology and with 1.0Gbps switch bandwidth

**Aggregate System Throughput:** 1.49Mpps

### Interface

**Number of Ports:** 5 x 10/100 Base-TX with Auto MDI/MDI-X 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

**Port Alarm DIP Switch:**

DIP 1~5: Enable or disable port link down alarm from port 1 to port 5  
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 flashing),  
10Mbps Link (yellow on)/Activity(yellow flashing)

### Power Requirements

**System Power:**

2 pins terminal block for power input.  
DC 24V(18~32V)with reverse polarity protection.  
AC 18~27V, 47~63Hz

**Power Consumption:** 4.32 Watts @ DC 24V

### Mechanical

**Installation:** DIN-Rail mount

**Casing:** IP-30 protection, aluminum case

**Dimensions:**

111.8mm(H) x 30mm (W) x 98.2mm (D) ( with DIN rail clip)  
111.8mm(H) x 30mm (W) x 89.4mm (D) ( without DIN rail clip)

**Weight:**

372g with package  
290g without package

### Environmental

**Operating Temperature:** -10 to 70°C

**Operating Humidity:** 5% to 95% (Non-condensing)

**Storage Temperature:** -40 to 80°C

**Storage Humidity:** 0%~ 90% non-condensing

### Regulatory Approvals

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

**EMC Immunity Interface:**

EN61000-4-2: 6Kv Contact, 8Kv Air, ESD contact indirect 6kv  
EN61000-4-3: 10V/m, 80 MHz - 1 GHz, AM 1 KHz, 80% modulation,  
10V/m, 0.9 - 1.8 GHz, FM 200 Hz, 50% modulation  
EN61000-4-4: PWR Supply Lines:+/- 2KV,Communication Lines:+/- 2KV  
EN61000-4-5: 2KV on power line (L-N), 4KV on power line (L-PE, N-PE), 1.2uS Tr/ 50uS Th  
EN61000-4-6: PWR Supply Lines:10 Vrms, 150 KHz - 80 MHz;AM 1 KHz,  
80% modulation;Communication Lines:10 Vrms, 150 KHz - 80 MHz;AM 1 KHz,  
80% modulation;Relay:10 Vrms, 150 KHz - 80 MHz;AM 1 KHz,80% modulation  
EN61000-4-8: 50Hz, 3A/m  
EN61000-4-11: 30% 10 ms,60% 100 ms, > 95% 5000 ms

**Safety:** CE/EN60950

**Shock:** IEC60068-2-27 shock: 50 g, 11ms, 4g, +/- X, +/- Y, +/- Z

**Free Fall:** IEC60068-2-32 free fall:90 cm, 1 corner, 3 edges, 6 faces

**Vibration:**

IEC60068-2-6 vibration: 1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz,  
90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz,  
10 cycles, 1 octave/min

**MTBF:** hours

## Ordering Information

### JetNet 2005 Industrial 5-port Compact Ethernet Switch

Includes:

- Industrial 5-port Compact Ethernet Switch
- Quick Installation Guide