

## JetNet 3705

### Industrial 5-port Unmanaged PoE Switch



- Four 10/100 TX Power Over Ethernet ports and one 10/100 TX uplink port
- 15.4W full power delivery per PoE port
- Relay alarm for port failure by DIP switch configuration
- Redundant 48VDC terminal block power inputs
- Extra power jack input for external 48VDC power adapter
- Aluminum rugged enclosure with IP-31 grade protection

#### Overview

JetNet 3705, the winner of Best Choice of Computex Taipei 2007 Award, is an Industrial PoE switch delivers powers over UTP/STP cable not only yield a cost-effective and space-saving network, but also improve power utilization and centralize power management. The JetNet 3705 is equipped with 4 PoE injector switch ports, delivers up to 15.4 watts in each port, and one 10/100Base TX Up-link port forwarding data to the remote end. The JetNet 3705 conforms to IEEE 802.3af Power over Ethernet (PoE) standard. The Power over Ethernet technology can power up PoE enabled powered devices in full capability, e.g. IP surveillance camera, wireless Access Point,

VoIP phone set, POS system, industrial sensors, controllers and security card reader. By connecting an external DC 48V power supply, JetNet 3705 is able to perform power and data transmission to send/receive over the same UTP/STP cable in each of the four PoE ports.

To meet the requirements of operating under harsh environment, JetNet 3705 uses a robust aluminum case, offers IP31 protection, and supports alarm relay output. The JetNet3705 provides standard industrial terminal block for the power and alarm relay contact output to alarm any port malfunction or power failure. For the user's convenience, it also provides a DC

#### 48V Power Over Ethernet System

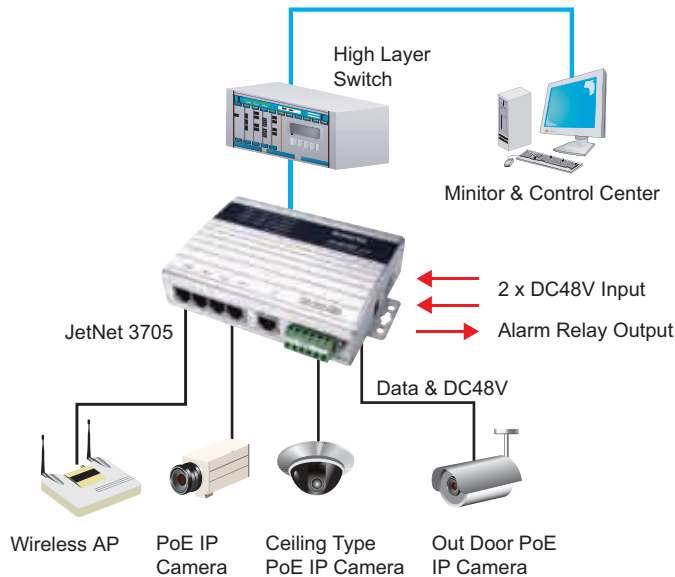
Korenix JetNet 3705 is an Industrial 4-port PoE injector Switch with one 10/100TX Up-link port. The PoE port provides 10/100Mbps Ethernet speed and is conformed to IEEE802.3af PSE standard with 15.4W full power forwarding ability.

To meet requirements of Industrial application, JetNet 3705 equipped 2 power inputs and provides real-time relay alarm mechanism for the power or port event

alert. To operate correctly in a harsh environment, JetNet 3705 adopts aluminum case with excellent heat radiation, and the self-diagnostic LED display including power, port link and PoE power status on the top of the switch for real time monitoring.

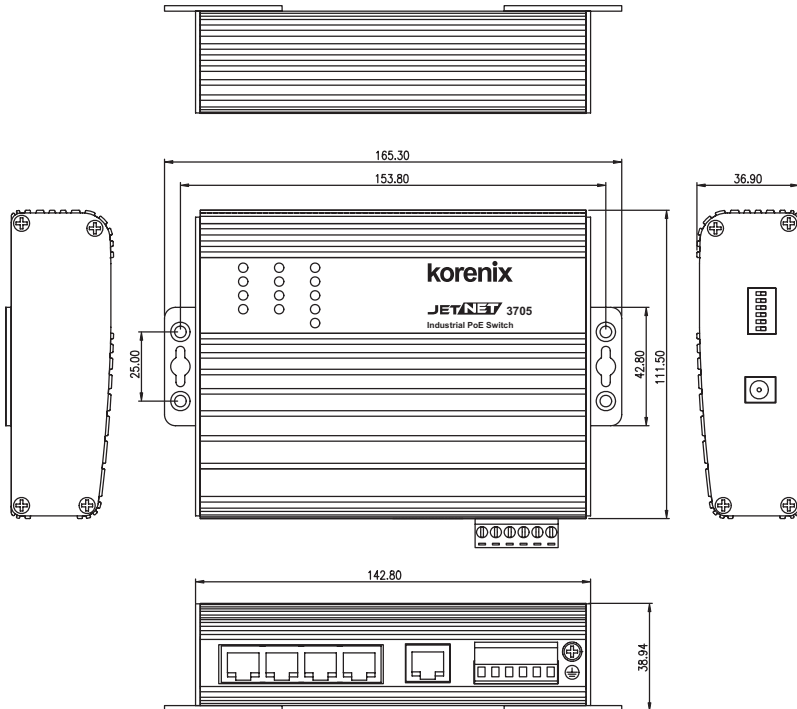
The JetNet 3705 is compliant with IEEE802.3af standard plus over current and short current protections to avoid damaging other powered device.

Application



IP Surveillance Application

Dimensions



## Specification

### Technology

**Standard:**

IEEE802.3 10Base-T  
 IEEE802.3u 100Base-TX  
 IEEE802.3af Power over Ethernet  
 IEEE802.3x flow control

**Switch Technology:** Store and forward technology and with 3.2Gbps internal switch fabric.

**Aggregate System Throughput:** 1.49Mpps

**MAC Address:** 1K MAC address Table

**Packet Buffer:** 512Kbits

**Power over Ethernet port:**

Port 1~4, with 15.4w full power forwarding ability  
 RJ-45 pin assignment: TX (3,6), RX (1,2), V+ (4,5), V-(7,8)  
**PoE output voltage:** DC 44~57V

### Interface

**Number of Ports:** 4 x 10/100 Base-TX with Power over Ethernet injector ,Auto MDI/MDI-X, Auto-Negotiation  
 1 x 10/100 Base-TX uplink port

**Connectors:**

10/100 Base-TX: RJ-45  
 Power/Relay: 6-Pin Terminal Block  
 DC-Jack

**Cables:**

10Base-T: 4-pair UTP/STP Cat. 3, 4, 5 cable,  
 EIA/TIA-568 100-ohm(100m)  
 100Base-TX: 4-pair UTP/STP Cat. 5 cable,  
 EIA/TIA-568 100-ohm(100m)

**Port Alarm DIP Switch:**

DIP 1~5: Enable (On) or disable (Off) port link down alarm from port 1 to port 5.  
 DIP 6: Enable (On) or disable (Off) power alarm.

**Diagnostic LED:**

Power x 3 (Green), Fault x 1(Red)  
 PoE x 4(Green),Link/Activity x 5 (Green on/Green Blinking)@100Mbps, (Yellow on/Yellow Blinking)@10Mbps

### Power Requirements

**System Power**

Input Voltage:  
 48VDC or -48VDC, dual power inputs in terminal block connection

AC /DC Power Adapter DC 48V/1.6A (option)

One DC jack for AC/DC power adapter

Reverse Polarity Protection: Present

**Power Consumption:**

6.5Watts without PD loading

70Watts with PD full loading

### Mechanical

**Installation:** DIN-Rail mount or Wall Mount

**Case:** IP-31 grade aluminum metal case

**Dimension:**

33.8 mm (H) x 164.8 mm(W) x 108 mm (D)

### Environmental

**Operating Temperature:** -20 ~70°C

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

**Storage Temperature:** -40 ~ 80 °C

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

### Regulatory Approvals

**Hi-Pot :** 1.2KV testing passed on port to power

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

**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:** 517,810 Hours, MIL-HDBK-217F GB standard

**Warranty:** 5 years

## Ordering Information

**JetNet 3705 Industrial 5-port Unmanaged PoE Ethernet Switch**

Includes:

- JetNet 3705, 4-port PoE Injectors plus 1 10/100TX port
- Wall mount panel kits
- Quick Installation Guide
- CD User manual

## Optional Accessories

- 48VDC Din-Rail Power: DR-75-48
- 48VDC PoE Splitter: PD1205