

## JetNet 3705f

### Industrial 4-port PoE Switch with one 100FX Switch

- 4 10/100TX with PoE injector
- 1 100Mbps Fiber for Multi/Single mode fiber uplink.
- IEEE802.3af Power Over Ethernet compliance
- 15.4W Full Power feeding ability for each PoE port
- End-Span PoE wiring architecture
- Alarm Relay output for port or power event
- Easy DIP Switch configuration for alarm relay trigger
- Aluminum case with IP-31 protection and excellent heat radiation.
- DIN-Rail Mount for industrial cabinet /Desktop for home/office application.
- Redundant Power Input with extra 48V DC jack for Home/Office application.
- Wide operating temperature for hazardous operating temperature.
- 1.2KV Hi-Port Passed



### Overview

Korenix JetNet 3705f is an Industrial 4-port PoE injector Switch with one 100Mbps Fiber Up-link port, the PoE port provides 10/100Mbps link speed and meets IEEE802.3af PSE standard with 15.4W full power forwarding ability, the fiber uplink port can extend network link distance to 2KM by multi-mode fiber (JetNet 3705f-m) or 30KM by single-mode fiber (JetNet 3705f-s)

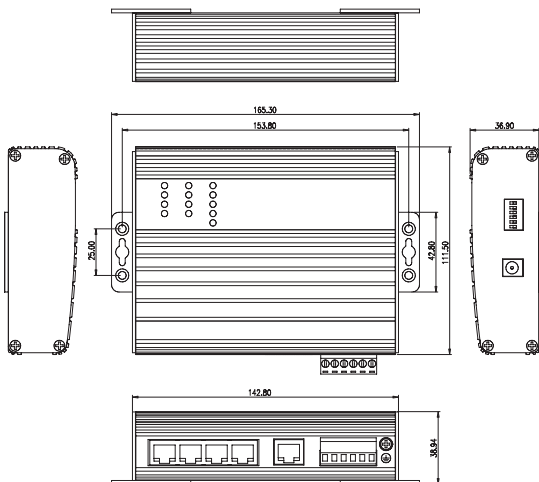
The meet requirements of Industrial application, JetNet 3705 equipped 2 power input with redundancy and

provides real-time relay alarm mechanism for the power or port event alert.

To survive in a harsh environment, JetNet 3705f adopts aluminum case with good heat radiation, and the superb LED display includes power, port link and PoE power status on the switch Top-side for real time monitoring.

The JetNet 3705f also equipped IEEE802.3af standard of over current and short current protections to avoid damage Powered device.

### Dimensions (Unit –mm)



## Specification

### Technology

**Standard:**

IEEE802.3 10Base-T  
IEEE802.3u 100Base-TX/100Base-FX  
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

### Interface

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

**Connectors:**

10/100 Base-TX: RJ-45  
Fast Ethernet Fiber: SC  
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)  
Fiber port: Multi-mode (JetNet3705-m) /  
Single mode (JetNet3705f-s)

**Fiber Port parameters:**

Wavelength: 1310nm(Multi mode/ Single mode)  
Available distance: 2km(Multi-mode)/ 30km(Single mode)  
Min. TX power: -19 dBm(Multi-mode)/ -15 dBm(Single mode)  
Max. TX power: -14 dBm(Multi-mode)/ -8 dBm(Single mode)  
Sensitivity: -31 dBm(Multi-mode)/ -34 dBm(Single mode)

**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

**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 inputs in terminal block connection  
AC /DC Power Adapter 48VDC/ 1.6A (option)  
Power input connector:  
Two Power inputs via the Terminal Block (12 ~24 AWG power cable)  
One DC jack for AC/D power adapter.  
Reverse Polarity Protection: Present

**Power Consumption:**

6.5Watts without PD loading  
70Watts with PD full loading

### Mechanical

**Installation:** DIN-Rail mount, Wall mount or Desktop

**Case:** IP-30 grade aluminum metal case with fan less design

**Dimension:**

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

### Environmental

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

**Operating Humidity:** 0% ~ 90%, non-condensing

**Storage Temperature:** -40°C ~ 80 °C

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

### Regulatory Approvals

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

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

**EMC Immunity Interface:**

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

## Ordering Information

### JetNet 3705f Industrial 4-port PoE Switch with one 100TX Switch

Includes:

- JetNet 3705
- Wall mount panel kits
- Quick Installation Guide
- CD User manual