

## 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