

## 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

#### 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 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 (JetNet 3705f-m) /

Single mode (JetNet 3705f-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)

#### 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 48VDC/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, Wall mount or Desktop

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

**Dimension:** 33.8 mm (H) x 164.8 mm(W) x 108 mm (D)

### Environmental

**Operating Temperature:** -10 ~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:** 473,362 Hours, MIL-HDBK-217F GB standard

**Warranty:** 5 years

## Ordering Information

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

Includes:

- JetNet 3705f-m, 4 PoE Injectors plus 1 100Mbps fiber port, 2KM/SC connector
- Quick Installation Guide/CD User Manual/DIN Rail Mount Kit

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

Includes:

- JetNet 3705f-s, 4 PoE Injectors plus 1 100Mbps fiber port, 30KM/SC connector
- Quick Installation Guide/CD User Manual/DIN Rail Mount Kit

## Optional Accessories

- 48VDC Power Adapter: U65S111-P2J
- 48VDC Din-Rail Power: DR-75-48
- 48VDC PoE Splitter: PD1205