

## Specification

### Technology

#### Standard:

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

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

**Aggregate System Throughput:** 1.49Mpps

### Interface

**Number of Ports:** 4 x 10/100 Base-TX with Auto MDI/MDI-X function, Auto-Negotiation

1 x 100Base-FX supports multi-mode or single mode fiber

**Connectors:** 10/100 Base-TX: RJ-45

100Base-FX: Duplex SC

Power/Relay: 4-pin terminal block

#### Cables:

RJ-45 connector: supports CAT-3, CAT-4, CAT-5 unshielded twisted pair or shielded twisted pair cable.

The link distance is maximum 100 meters.

Fiber: SC, multi-mode or single-mode

Multi-mode fiber:

50/125um or 62.5/125um, max. distance 2KM

Single-mode fiber: 8/125um, 9/125um or 10/125 um, max. distance 30KM

**Fiber Transceiver:** JetNet 2005f-m, multi-mode fiber

Link Distance: 2KM (Max.)

Wave-length: 1310nm

Min Tx Power:-19dBm

Max Tx Power:-14dBm

Min Rx Sensitivity:-30dBm

Link budget:11dBm

JetNet 2005f-s, single-mode fiber

Link Distance: 30KM (Max.)

Wave-length:1310nm

Max Tx Power:-8dBm

Min Tx Power:-15dBm

Min Rx Sensitivity:-34dBm

Link budget:19dBm

#### Port Alarm DIP Switch:

DIP 1~5: Enable or disable port link down alarm for

RJ-45 port 1~4, Fiber 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 from 4-pin terminal block for DC or AC power input. DC 18~32V with reverse polarity protection. AC 18~27V, 47~63Hz

**Power Consumption:** 4 Watts @ DC 24V

### Mechanical

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

**Case:** Aluminum case with IP-31 protection

#### Dimension:

111.8mm(H) x 30mm (W) x 98.2mm (D) ( with DIN rail clip)

111.8mm(H) x 30mm (W) x 89mm (D) ( without DIN rail clip)

#### Weight:

377g with package

295g without package

### Environmental

**Operating Temperature:** -10 ~70°C

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

**Storage Temperature:** -40 ~ 85 °C

**Hi-Pot:** 1.5KV for all ports and power

### Regulatory Approvals

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

#### 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:** 713,506 Hours, MIL-HDBK-217F GB standard

**Warranty:** 5 years

## Ordering Information

### JetNet 2005f-m Industrial 5-port Compact Ethernet Fiber Switch

Includes:

- JetNet 2005f-m
- Quick Installation Guide

### JetNet 2005f-s Industrial 5-port Compact Ethernet Fiber Switch

Includes:

- JetNet 2005f-s
- Quick Installation Guide