

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