JetNet 3705-24V

Five Ports 10/100TX Industrial Switch with Four PoE Injectors

- Five Ports 10/100 TX Industrial Switch with Four Power over Ethernet Injectors
- Patented Build-in DC 24 to 48V Booster
- RJ-45 port support Auto MDI/MDI-X Function
- Embedded 4-port PoE Injector Function
- Store-and-Forward Switching Architecture Case/Installation
- IP-30Protection
- DIN Rail and Wall Mount Design
- -20~70°C operating temperature for hazardous environment application

Power Supply

- Support DC 24/48V Power Input
- Provides EFT protection 3000 VDC for power line
- Supports 6000 VDC Ethernet ESD protection
- 48V PoE Output, 15.4w (MAX)/Port

CE FC RoHS

Overview

JetNet 3705-24V Five ports 10/100Mbps Ethernet DIN Rail switch provides a fast, easy and cost-effective solution for configuring small Industrial Fast Ethernet networks. The switch features five auto-negotiating ports with shielded RJ45 connectors for added protection of EMI and RFI noise. The 24V operating voltage is supplied through a plug-in terminal block which can be configured for redundancy power connection.

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 1.0Gbps internal switch fabric.

Aggregate System Throughput:

14,880pps for Ethernet port

148,800pps for Fast Ethernet port

MAC Address: 2K MAC address Table

Packet Buffer: 56Kytes

Protocol: CSMA/CD

Power over Ethernet port:

RJ -45 port # 1~# 4 support IEEE 802.3af End-point, Alternative A mode.

Per port provides 15.4W ability.

Positive (VCC+): RJ -45 pin 1, 2.

Negative (VCC-): RJ -45 pin 3, 6. Data (1,2,3,6)

PoE output voltage: DC 48V

Interface

Number of Ports: 5 x 10/100 Base-TX with 4 Power over Ethernet injector ,Auto MDI/MDI-X, Auto-Negotiation

Connectors:

10/100 Base-TX: RJ-45

Cables:

10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable, EIA/TIA-568 100-ohm(100m)

100Base-TX: 2-pair UTP/STP Cat. 5 cable, EIA/TIA-568 100-ohm(100m)

Diagnostic LED:

Per unit: Power 1 (Green), Power 2 (Green), Fault(Red)

Per port: Link/Activity (Green), Full duplex/Collision (Yellow)

PoE: Feeding Power (Green)

Power Requirements

System Power

Input Voltage: DC24/48V

Overload current protection: Fast-Blown Fuse, Standard: 3.5A; With E model: 4A

Power Consumption:

62.5W @ 48VDC

67W @ 24VDC

Mechanical

Installation: DIN-Rail mount or Wall Mount

Case: IP-30 grade aluminum metal case

Dimension:

140 mm (H) x 48.6 mm(W) x 95 mm (D)

Environmental

Operating Temperature: -20 ~70°C

Operating Humidity: 5% ~ 95%, (non-condensing)

Storage Temperature: -40 ~ 85 $^{\circ}$C

Regulatory Approvals

EMI: FCC Class A

EMS:

EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-6-2, EN61000-6-4

Safety: UL/cUL508

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

Warranty: 5 years

Ordering Information

JetNet 3705-24V Five Ports 10/100TX Industrial Switch with Four PoE Injectors

Includes:

- JetNet 3705-24V
- Wall mount panel kits
- Quick Installation Guide
- CD User manual