JetNet 3705-24V

Industrial 5-port Booster PoE Switch

- 1-port 10/100TX Ethernet and 4-port 10/100TX IEEE802.3af PoE
- DC48V input, 15.4W for IP camera
- DC24V input, boost to DC48V, 15.4W output PoE for IP camera
- 67W @ DC24V and 62.4W@DC48V total power budget for PTZ cameras
- Redundant power inputs 24V/48V
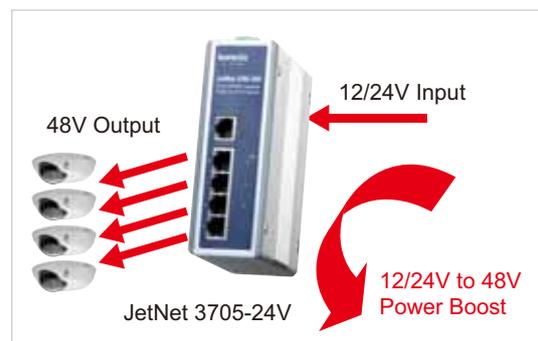- Operating temperature -10~60℃

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 s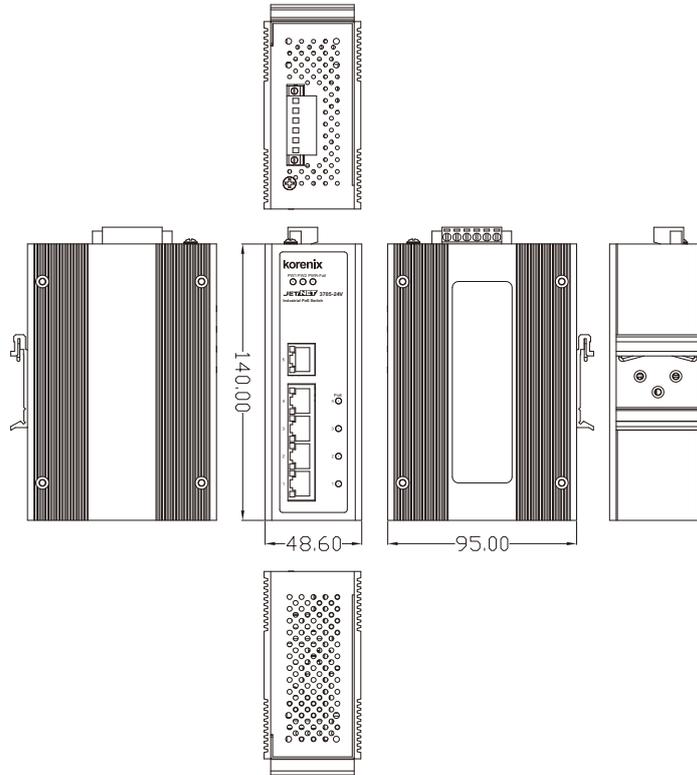hielded RJ45 connectors for added protection of EMI and RFI noise. The 24V operating voltage is supplied through a plug-in terminal block which can be configured for redundancy power connection.

For Bus/Railway PoE

JetNet 3705-24V is designed with Korenix patented DC 24V to 48V boost for vehicle PoE application where DC 48V power supply is not available. The 24V operating voltage is supplied through a plug-in terminal block which can be configured for redundancy power connection. JetNet 3705-24V provides a fast, easy and cost-effective solution for configuring PoE networks on transportation and automation applications.

48V Output
12/24V Input
12/24V to 48V Power Boost
JetNet 3705-24V

Dimensions (Unit = mm)

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:
62.4W @ 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: -10~60℃
Operating Humidity: 5% ~ 95%, (non-condensing)
Storage Temperature: -40~85℃

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
Shock: IEC60068-2-27
Vibration: IEC60068-2-6
Free Fall: IEC60068-2-32
Warranty: 5 years

Ordering Information

JetNet 3705-24V Industrial 5-port Booster PoE Switch

Includes:

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

Industrial Intelligent NMS

Rackmount PoE Plus Switch

Industrial PoE Plus Switch

Industrial 12-24V PoE Switch

Industrial PoE Switch

Rackmount L3/L2 Switch

Gigabit Managed Switch

Managed Ethernet Switch

Entry-level Switch

Wireless Outdoor AP

Embedded PoE/Router Computer (LINUX)

Industrial Communication Computer (WIN/LINUX)

Ethernet/PoE/ Serial Board

Ethernet I/O Server

Media Converter

Serial Device Server

SFP Module

Din Rail Power Supply