JetNet 3710G

Industrial 8 PoE + 2 GbE Switch

- Eight 10/100 TX PoE plus two 10/100/1000TX uplink ports
- DC 48V input, deliver 8 port PoE @48V
- 802.3af compliant PoE: Total power budget is 65W* with max. 15.4W per port
- Two gigabit Ethernet ports for larger uplink bandwidth of surveillance
- Support QoS for optimizing video and VoIP stream
- -25~70°C operating temperature

CE FC RoHS

2 Giga Uplink   65W*   QoS

Overview

JetNet 3710G is an Industrial PoE Switch designed with 8 Fast Ethernet PoE ports and 2 Gigabit uplink ports to ensure high-bandwidth uplink connection for large-scale surveillance system networks. The PoE injection ports can deliver up to 65W* per unit (@70°C) to power PoE-enabled devices. Moreover, the compact size with aluminum alloy metal enclosure allows JetNet 3710G to reliably operate under -25~70°C wide temperature range applications.

Gigabit bandwidth and QoS supported

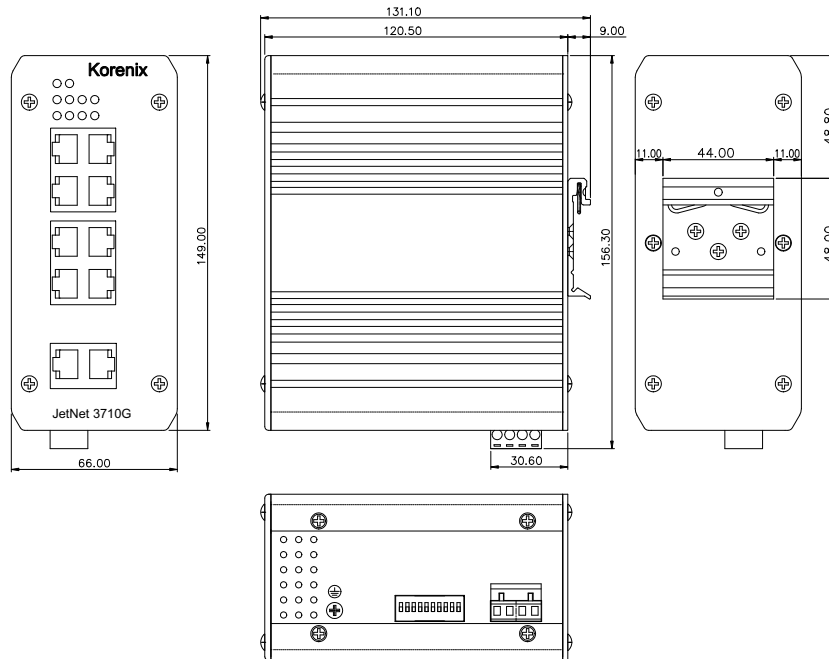JetNet 3710G features eight PoE ports and two uplink gigabit Ethernet ports. Customers can connect up to 8 IP cameras and provide guaranteed large image uplink bandwidth connection. In addition, the JetNet 3710G supports QoS to ensure the high quality of video traffic transmission by simply adjusting the priority of data transfer.

Fault Relay function provided

JetNet 3710G provides fault relay to automatically warn users if any abnormal situation occurs. As a result, users can quickly handle the emergency and shorten the failover time.

*Specfications may change without prior notice

Dimensions (Unit = mm)

JetNet 3710G

Hardware Specifications

Technology
Standard:
IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet
IEEE 802.3ab 1000Base-T
IEEE802.3x Flow Control and Back-pressure
IEEE 802.3af Power Over Ethernet
IEEE 802.1p Class of Service

Performance
Switch Technology: Store and Forward Technology with 32Gbps Switch Fabric
System Throughput: 14,880pps for 10M Ethernet, 148,800pps for 100M Fast Ethernet, 1,488,100pps for Gigabit Ethernet
Transfer packet size: 64 bytes to 1522 bytes
(with untagged and tagged frames)
MAC Address: 8k
Packet Buffer: 1 Mbits

Interface
Configuration: 802.3af compliant PoE ports x 8
10/100/1000Base-TX x 2
Auto MDI/MDI-X, Auto Negotiation

Cables:
10 Base-T: 2-pair UTP/STP Cat. 3,4,5 cable (100m)
100 Base-Tx: 2-pair UTP/STP Cat. 5 cable (100m)
1000 Base-T: 4-pair UTP/STP Cat. 5 cable (100m)
10Base-T: 4-pair UTP/STP Cat 3,4,5, 100ohm (100m) for PoE
100Base-Tx: 4-pair UTP/STP Cat.5, 100ohm (100m) for PoE

LED per unit:
PoE (Green) x8
Fault alarm (Red) x1
Power on/ off (Green on/ off) x1
LED on Ethernet port:
Link/ Activity (Green on/ blinking)
Gigabit copper: Link/Act (Green on/ Blinking)
Full duplex/ Collision (Yellow on/ Blinking)
Gigabit copper: Speed (Yellow Blinking)
Relay Alarm: Dry Relay output with 1A@24V ability
POE technology: Alternative B

Power Requirements
Power: 48V

Power Consumption: 30W without PoE, 95W with PoE

Mechanical

Construction:

Rugged Aluminum Alloy Chassis

Mounting: DIN-Rail

Dimension:

66(W) x 149(H) x 131.2(D) mm (with Din-rail clip)

Net weight: 1.05kg

Environment

Operating Temp: -13 ~ 158°F(-25 ~ 70°C), 5 to 95% RH

Storage Temp: -40 ~ 176°C(-40 ~ 80°C), 5 to 95% RH

EMI: FCC class A, CE/EN55022 Class A

EMC: EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

Shock: IEC60068-2-27 (50g peak acceleration)

Vibration: IEC60068-2-6 (5g/5~500Hz/random operation)

MTBF: greater than 200,000 hours @ 25°C

Warranty: 5 years

*Pending

Ordering Information

JetNet 3710G Industrial 8 PoE+2GbE Switch

Includes:

- JetNet 3710G
- Attached 4-pin power terminal block
- Quick installation guide
- Documentation and software CD-ROM