

## Specification

### Technology

#### Standard:

IEEE802.3 10Base-T  
IEEE802.3u 100Base-TX  
IEEE802.3ab 1000Base-T  
IEEE802.3z Gigabit Ethernet Fiber  
IEEE802.3x flow control and back pressure  
IEEE802.1p 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, 1,488,100 for Gigabit Ethernet

**Transfer packet size:** 64 bytes to 1522 bytes (with VLAN Tag)

**MAC Address:** 8K MAC address table

**System Packet Buffer:** 1Mbits shared packet buffer

#### Quality of Service:

Compliance with IEEE802.1p class of service with Tag Based Priority rule Per switch port provides 4 priority queues with 8 (Higher):4(High):2(Low):1(Lower) scheduling. The Tag Priority ID as following: Higher (6,7), High (4,5), Low (0,3), Lowest (1,2)

### Interface

#### Number of Ports:

7 x 10/100 Base-TX with Auto MDI/MDI-X function Auto-Negotiation  
3 x 1000Base-T supports Auto MDI/MDI-X , Auto-Negotiation function and combo with Small Form Factor Package (SFP) socket

#### Connectors:

10/100 Base-TX: RJ-45  
1000Base-T: RJ-45  
SFP: supports all 3.3v SFP type Gigabit fiber transceiver  
Power: 4-Pin Removable Terminal Block connector

#### 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

#### Diagnostic LED:

System Power: Power 1 (Green), Power 2 (Green)  
10/100 Mbps RJ-45 port: Link/Activity (Green), Full Duplex/ Collision (Yellow)

port: Link/Activity(Green)

1000Base-T RJ-45 port: Link/Activity (Green)

SFP port: Link/Activity (Green)

### Power Requirements

#### System Power:

4 pins terminal block for power input.  
DC 24V (12~48V) with polarity reverse protection and redundant function

#### Power Consumption:

11.5 Watts @ DC 24V(Maximum)

### Mechanical

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

#### Case:

Aluminum metal case with IP31 grade case protection for drop-waterproof and dustproof

#### Dimension:

137.85mm(H) x 96mm (W) x 132mm (D)  
( with DIN rail clip)

#### Weight:

0.875g without package

### Environmental

**Operating Temperature:** -20 ~70°C

**Operating Humidity:** 0% ~ 90%, (non-condensing)

**Storage Temperature:** -40 ~ 85°C

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

**Hi-Pot:** 1.2KV on port to port and port to 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:** 267380 hours @ 25°C

**Warranty:** 5 years

## Ordering Information

### JetNet 3010G Industrial 10-Port Gigabit Ethernet Switch

Includes:

- JetNet 3010G(without SFP transceiver)
- Quick Installation Guide
- CD User's manual

## Optional Accessories

**SFPGSX:**1000Base-SX multi-mode SFP transceiver,550m, -10~70°C

**SFPGSX-w:**1000Base-SX multi-mode SFP transceiver,550m, wide operating temperature, -40~85°C

**SFPGSX2:**1000Base-SX plus multi-mode SFP transceiver,2Km, -10~70°C

**SFPGSX2-w:**1000Base-SX plus multi-mode SFP transceiver, 2Km,wide operating temperature, -10~70°C

**SFPGSX10:**1000Base-LX single-mode SFP transceiver 10Km, -10~70°C

**SFPGSX10-w:**1000Base-LX single-mode SFP transceiver, 10Km, wide operating temperature, -40~85°C

**SFPGSX30:**1000Base-LHX single-mode SFP transceiver,30Km, -10~70°C

**SFPGSX30-w:**1000Base-LHX single-mode SFP transceiver, 30Km, wide operating temperature, -40~85°C

**SFPGXD50:**1000Base-XD single-mode SFP transceiver, 50Km, -10~70°C

**SFPGXD50-w:**1000Base-XD single-mode SFP transceiver, 50Km, wide operating temperature, -40~85°C

**SFPGZX70:**1000Base-ZX single-mode SFP transceiver, 70Km, -10~70°C

**SFPGZX70-w:**1000Base-ZX single-mode SFP transceiver, 70Km, wide operating temperature, -40~85°C