

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

SFPGXLX10: 1000Base-LX single-mode SFP transceiver 10Km, -10~70°C

SFPGXLX10-w: 1000Base-LX single-mode SFP transceiver, 10Km, wide operating temperature, -40~85°C

SFPGLHX30: 1000Base-LHX single-mode SFP transceiver, 30Km, -10~70°C

SFPGLHX30-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