

Technical Specifications

Standard:

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3ab 1000Base-T
IEEE 802.3z Gigabit fiber
IEEE 802.3x Flow Control and Back Pressure
IEEE 802.3af Power over Ethernet

Network Media:

10Base-T: 2-pair UTP/STP Cat. 3, 4, 5/5e cable EIA/TIA-568 100-ohm (100m)
100Base-TX: 2-pair UTP/STP Cat. 5/5e cable EIA/TIA-568 100-ohm (100m)
1000Base-TX: 2-pair UTP/STP Cat. 5/5e cable EIA/TIA-568 100-ohm (100m)

Performance

Data Transfer Rate:

14,880 pps for Ethernet port
148,800 pps for Fast Ethernet port
1,488,000 pps for Gigabit Fiber Ethernet port

MAC Address: 8k

Packet Buffer: 1Mbytes

Protocol Technology: CSMA/CD

Switching Architecture: Store and Forward

Back-plane: 5.6 Gbps

Flow Control: Full-duplex and Back Pressure for Half-duplex

Packet Filter: Broadcast/Multi-cast/Unknown Broadcast storm packet filter

Transfer Packet Throughput: 3.87Mpps @ 64 bytes

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, EN61000-4-11

Safety: UL, cUL, CE/EN60950

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

Environmental: WEEE, RoHS

MTBF: 325,000 hrs based on Mil-Hdbk-217F, GB

Warranty: 5 years

PoE Specifications

PoE Compliance: 100% IEEE 802.3af compliant

PoE Classification: Power Sourcing Equipment (PSE)

PoE Voltage: 48 VDC

PoE Power: Up to 15.4 watts per port

PoE Protection:

Over-temperature, over-current, over/under-voltage and transient

PoE Pin Assignment:

RJ-45 port # 1-# 8 support IEEE 802.3af End-point, Alternative B mode

Per port provides 15.4W ability

Positive (VCC+): RJ-45 pin 4,5

Negative (VCC-): RJ-45 pin 7,8