

XB10240 Fast Ethernet Unmanaged Switch

XB systems High Performance XB10240 switch with 24 10/100 BASE-TX (RJ-45) ports.



The XB10240 is a switch with 24 Auto MDI/MDIX 10BASE-T/100BASE-TX ports. XB10240 is perfect for cost-sensitive small to medium network looking to strengthen its network connection.

Features and Benefits

Basic Features

- 24 10/100 Fast Ethernet RJ-45 ports
- Internal power supply
- Auto MDI/MDI-X on all ports
- Up to 8K MAC address entries
- Embedded 4MB buffer memory
- Non-blocking architecture

Performance

- Store-and-forward scheme to forward packets.
- Operates at maximum packet filtering and forwarding rate.
- Provides frame filtering and forwarding functions for each port, which are capable of filtering and forwarding of all Ethernet packets at wire speed of 14,880 packets per second for the 10Mbps ports and 148,800 for the 100Mbps ports.
- Flow control: IEEE802.3x for full-duplex mode and back pressure for half-duplex mode operation

Connectivity

- Conforms to IEEE 802.3 10BASE-T and IEEE802.3u 100BASE-TX specifications.
- 100BASE-TX mode supports Category 5 STP or UTP.
- 10BASE-T mode supports Category 3, 4, And 5 twisted-pair cable, either unshielded Or shielded.

Flexibility

- Two transmission modes : half or full duplex auto-negotiation.
- Two transmission speeds : 10Mbps or 100Mbps auto-sensing
- Automatic MAC address learning and aging function to build the routing information database
- Automatic local traffic filtering
- Transparent to high level protocols

Reliability

- Filtering of erroneous frames (CRC error, fragment, and jabber)
- Auto-negotiation on duplex mode , Auto - Sensing on speed and auto MDI/MDIX for All ports

Comprehensive Manageability

- Filtering and forwarding at full wire speed on all ports.
- Buffered Store-and-Forward transmission method prevents propagation of bad packets.
- Back Pressure and Flow Control prevents packet loss under heavy load.
- Auto-negotiation to enable optimal speed and operating mode for attached devices.
- Address learning probes the network to automatically configure the switch.

Physical Features

- Small form factor with Internal power supply.
- Auto MDI/MDIX port for easy connection to additional switches.
- Sturdy steel construction.
- Rack-Mountable.

Ease of Use

- Plug-and-play feature.
- Integrated Ethernet and Fast Ethernet networks.
- LEDs display port status and monitor Network activity.

Features and Benefits

Specifications

Physical Characteristics

- Ports : 24 10/100Mbps RJ-45 switch ports
- Input Power :100~240VAC, 50 ~ 60Hz 0.3A max
- Power supply
 - Maximum Current: 0.5A max. 110V, 0.25A max. 240V
 - Power Consumption : 13.2 W(max) 5.2 W(typical)
- Weight : 1.425kg
- Temperature : 0°C ~ 40°C (Standard Operating)
- Humidity : 5% to 95% (Non-condensing)
- Dimensions : 330,2mm(W) x 166,3mm(D) x 44,4mm(H)
(13" x 6,55" x 1,7")
- Standards Compliance : 10BASE-T and 100BASE-TX
- LED Indicators : Per port
- Shipping kit includes
 - One AC power cord
 - User's Manual
 - Rack-mounting kit

System Configuration

- Max Filtering Rate : Line speed
- Max Forwarding Rate : Line speed
- Switch Processing Scheme : Store-and-Forward
- Buffer memory : 4MB
- MAC Address: 8K
- Flow Control
 - Half-duplex : Back pressure
 - Full-duplex : IEEE802.3x

Standards

- Standards : IEEE 802.3 Ethernet & IEEE 802.3u Fast Ethernet
- Certification : CE Mark
- Safety : TBD
- Immunity : IEC 1000-4-2,3,4,6
- EMI : TBD 1. 2003 V.02

Warranty

- Lifetime Warranty

Ordering Information

Part#

XB10240 24 ports 10/100 Unmanaged Switch



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