

B&E Technologies

FES-517 10/100 Fast Ethernet Switch 16TX/1FX with Management

The FE-517 is the latest in our family of Fast Ethernet switches. It is a 16 port switch with a port for an optional 2km fiber optic link. Automatic cable detection on each port allows all ports to select 10Mbps or 100Mbps and MDI (crossover) or MDI-X (straight-through) cabling. The built in management interface allows VLAN, QoS, trunking and port configuration. The CT-FE517 remains an affordable solution for your network and includes a full two year warranty.



Switch Features

The features of the Fast Ethernet Switch include:

- 10 or 100Mbps transmission rate
- Full or half duplex (full duplex required for maximum transmission distances on the fiber optic port)
- Switch Type: Store and Forward
- Filtering Rate: 14,880pps for Ethernet (10base-T) 148,800pps for Fast Ethernet (100TX)
- Forwarding Rate: 14,880pps for Ethernet (10base-T) 148,800pps for Fast Ethernet (100TX)
- QoS: 4 queues per port
- Filtering Address: Multicast/Broadcast/Unicast address 2K MAC addresses per unit
- VLAN: up to 15 VLAN groups
- Supports trunking, which allows the connection of multiple ports to other switches to increase bandwidth between switches:
 - Two-port trunks: Up to 2 trunks
 - Bandwidth: 400 Mbps full duplex per trunk
- Management / configuration via built-in RJ-45 serial port (cable provided) and a standard terminal emulator

Operating Environment

- Power: 100-240VAC, 50/60Hz, 15W max
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -40°C to 70°C
- Operating Humidity: 10% to 90% (non-condensing)
- Storage Humidity: 5% to 95% (non-condensing)

Available Fiber Modules

- FESM-517-MT Multi-mode with ST connector
- FESM-517-MC Multi-mode with SC connector
- FESM-517-SC Single-mode with SC connector

Product Specifications

Physical Specifications

- Rack or Table mountable chassis
- LED indicator for power
- LED indicators for each port showing:
 - Link/Act.: Indicates the link status with a connected device as well as the connection speed between the UTP port and the connected device.
 - FDX/Col.: Indicates the duplex mode and collision occurrences.
- Dimensions: 430mm x 105mm x 44mm (WxDxH) (16.9" x 4.13" x 1.73")

Conforms to the Following Standards

- LAN: IEEE 802.3u 100base-TX
IEEE 802.3u 100base-FX
IEEE 802.3 10base-T
- EMC: EN55022 IEC1000-4-2
EN60555-2 IEC1000-4-3
EN60555-3 IEC1000-4-4
- Products are marked as certified to the CE and FCC standards.

Installation Considerations

100FX FAST ETHERNET

Fiber Optic Cable

- 62.5/125µm 1300nm multimode fiber optic cable is recommended
- 50/125µm, 85/125µm or 100/140µm 1300nm multimode fiber optic cable can also be used
- Modules available in multimode dual ST connectors (CT-FE052T) or multimode dual SC connectors (CT-FE052C)
- Distance from port to port: 2km (1.25 miles)

100TX FAST ETHERNET

Twisted Pair Cable

- Category 5 unshielded twisted pair
- RJ-45 connector
- Distance from port to port: 100m (325 ft)

10base-T ETHERNET

Twisted Pair Cable

- Category 3, 4 or 5 unshielded twisted pair
- RJ-45 connector
- Distance from port to port: 100m (325 ft)

Warranty

- 2 years

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