BLACK BOX®

NETWORK SERVICES

MAX EXPRESS ETHERNET SWITCH, 12-PORT

Integrate your 10-Mbps Ethernet network with fibre links.
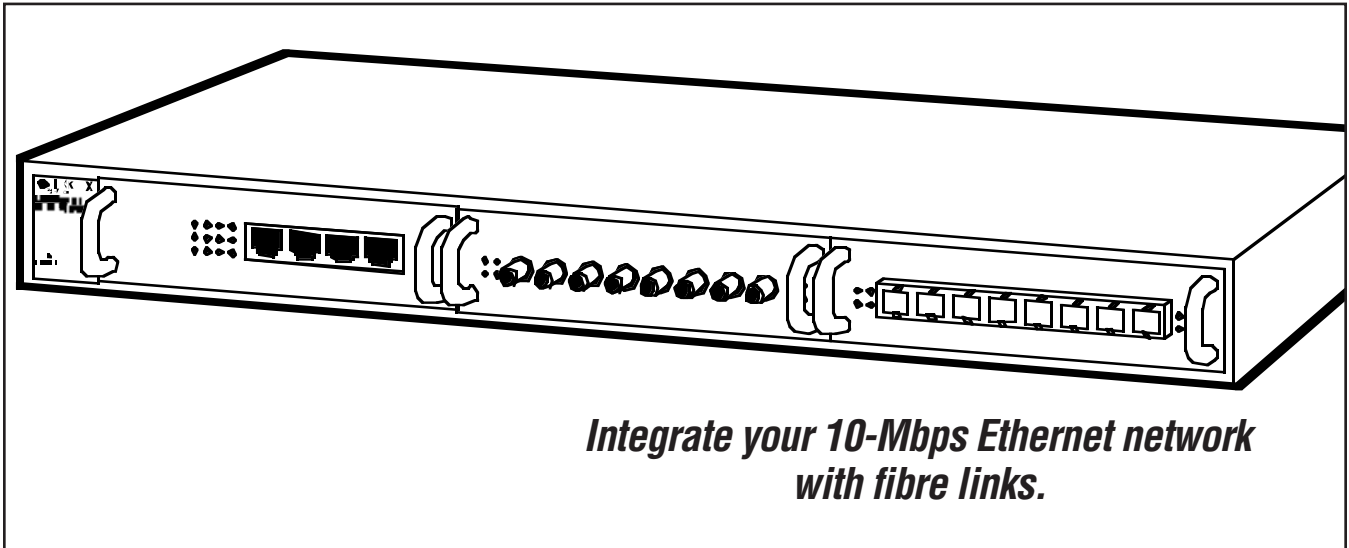
Key Features

▶ ***Modules feature a variety of different FX or TX combinations.***

▶ ***Choose between ST, SC, or MT-RJ connectors.***

▶ ***Configure fixed speed and duplex modes through the console port.***

▶ ***True non-blocking switch architecture.***

▶ ***Full-wire speed forwarding.***

Add fibre links to your standard copper network with the Max Express Ethernet Switch. It's a modular Fast Ethernet switch that supports a variety of connections in a single box.

Customize your application by choosing from a variety of modules. Seven modules are available with the latest connectors, including ST, SC, and MT-RJ. Choose from the following combinations:

• (4) 10/100-Mbps autosensing ports (also known as "NWay")

• (4) 100BASE-FX ST ports

• (4) 100BASE-FX SC ports

• (4) 100BASE-FX MT-RJ ports

• (3) 10/100BASE-TX ports and (1) SC port

• (3) 10/100BASE-TX ports and (1) ST port

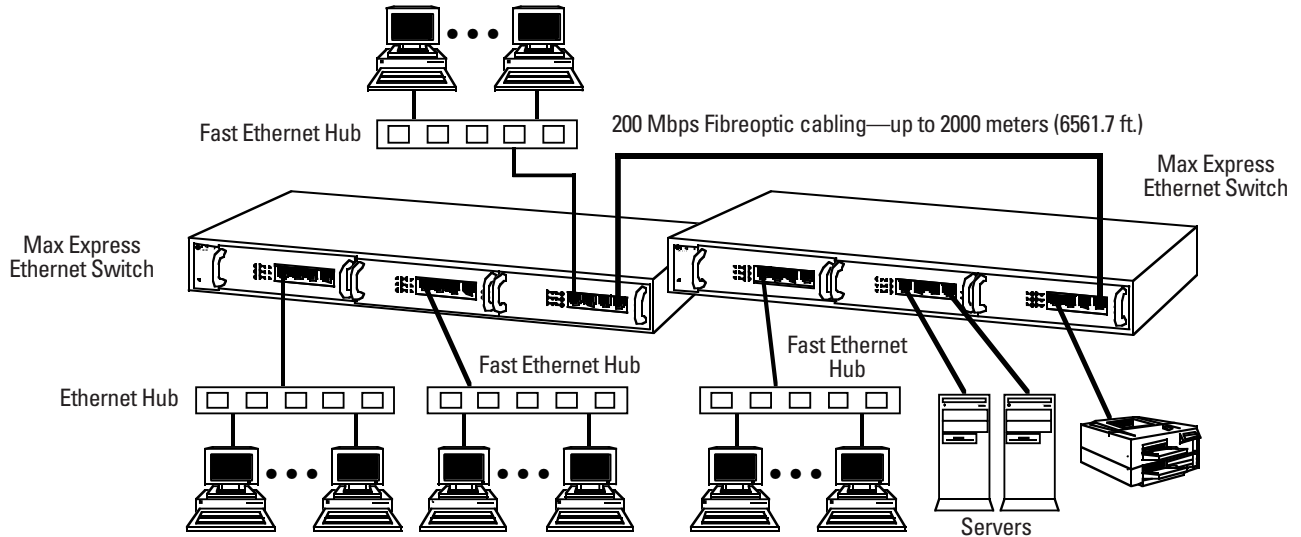• (3) 10/100BASE-TX ports and one MT-RJ port

The Switch, with its modules, features 10/100-Mbps auto-negotiation, wire-speed, store-and-forward switching architecture, and port-based VLAN.

The Max Express Ethernet Switch solves the Ethernet problems of costly integration of legacy 10-Mbps equipment, signal interference, and topology limitations. Determine which TX or FX combination best suits your needs, and you won't need to use media converters. Just slide the modules into the power chassis and turn it on.

Other features of the Max Express Ethernet Switch include:

• Uplink port on full TX modules.

• Plug-and-play installation.

• Port-based VLAN.

• Autonegotiation for speed and duplexity on TX ports.

• Store-and-forward mechanism.

• Back pressure and IEEE 802.3x compliant flow control.

• Supports 2K MAC address.

• Front-panel status LEDs and reset switch.

• Standard 19" rackmountable size.

Make the most of your investment in equipment: add fibreoptic links to your existing copper network.

Fast Ethernet Hub

200 Mbps Fibreoptic cabling—up to 2000 meters (6561.7 ft.)

Max Express Ethernet Switch

Max Express Ethernet Switch

Fast Ethernet Hub

Fast Ethernet Hub

Ethernet Hub

Servers

Specifications

Maximum Distance: 10BASE-T: Category 3, 4, and 5: 328 ft. (100 m); 100BASE-TX: Category 5: 328 ft. (100 m); 100BASE-FX: 62.5/125 µm fiber: 2000 m (6560 ft.)

Forwarding Rate: 10 Mbps: 14,880 pps; 100 Mbps: 148,800 pps

Switching Method: Store and Forward

Speed: 100BASE-TX, 100BASE-FX: Full-duplex: 200 Mbps; Half-duplex: 100 Mbps; 10BASE-T: Full-duplex 20 Mbps; Half-duplex: 10 Mbps

Interface: 10/100BASE-TX (autosensing), 100BASE-FX

Connectors: 10BASE-T: RJ-45; 100BASE-TX: RJ-45; 100BASE-FX: ST®, SC, or MT-RJ (pairs)

Indicators: Chassis: (1) Power; Modules: TX ports: (4): 100-Mbps TX, 100-Mbps RX, FDX/COL, Uplink; FX ports: (2) Link/Activity, FDX/COL

Temperature Tolerance: Operating: 0 to 40°C; Storage: -25 to +70°C

Relative Humidity: 10 to 90%, noncondensing

Maximum Altitude: 3048 m

MTBF: 14,430 hours

Power: 100 to 240 VAC, 50 to 60 Hz, external

Size: Chassis: 4.3 x 43.9 x 23.6 cm; Modules: 3.8 x 12.2 x 14 cm

Weight: 2.9 kg; Card: 198.5 g

▼ *Ordering Information*

ITEM	CODE
Max Express Ethernet Switch, 12-Port	LB9112A
4-Port Modules	
10/100 NWay (RJ-45)	LB9113A
100BASE-FX (ST)	LB9114A
100BASE-FX (SC)	LB9115A
100BASE-FX (MT-RJ)	LB9116A
(1) SC and (3) 10/100 TX	LB9117A
(1) ST and (3) 10/100 TX	LB9118A
(1) MT-RJ and (3) 10/100 TX	LB9119A
Remember to order cables…	
Category 5 Solid-Conductor Cable, 4-Pair, Straight-Pinned, PVC	EYN737MS-0010
Ceramic Terminated Multimode Fiber Optic Cable	EFN062-003M