



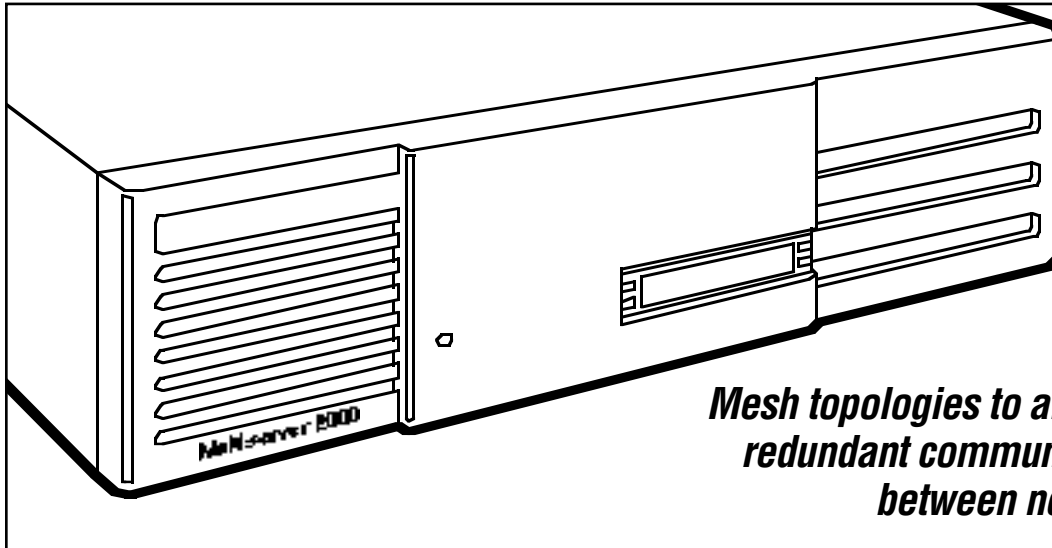
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Black Box Corporation.

BLACK BOX[®]

NETWORK SERVICES

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MULTISERVER 2000



Mesh topologies to allow alternative redundant communication paths between nodes.

Key Features

- ▶ **Sends data and voice over Frame-Relay services.**
- ▶ **Multiple high-speed interconnect links.**
- ▶ **Remote terminal server.**
- ▶ **Three expansion slots for optional modules.**
- ▶ **Data compression for high throughput.**
- ▶ **Dramatically reduces communication costs.**
- ▶ **Features Group III fax demodulation, voice/fax switching, and voice digitizing.**

The Multiserver 2000 is a multiplexor which provides you with integrated data, voice, fax, and LAN access, bridging and routing in a single unit.

The Multiserver 2000 delivers economy of integration by combining all your voice and data transmission into one data stream.

The modular design enables you to add cards to customise the Multiserver 2000 to your unique application. The unit features three expansion slots that hold a variety of expansion cards from voice/fax cards to router modules.

The Multiserver 2000 is highly versatile for both voice and fax. It features Group III fax demodulation, performs voice/fax switching, and digitises and compresses voice.

Multiserver 2000 also performs async and sync data compression and handles asynchronous data switching and contention. Additionally, it can act as an Ethernet Remote LAN bridge/router and remote terminal server.

Set up is easy, and you can mesh topologies to provide alternative, redundant communication path between nodes.

The Multiserver 2000 is compatible with both Frame-Relay and leased lines so you get fast changeover.

Typical Application

Send all LAN, voice, and fax traffic between two corporate offices across a single leased line.

Specifications

Multiplexor Technique:
Microband ATM

Data Channels:
5 (expandable to 29)

Channel Speeds: Up to 38.4 kbps
async, 1200 to 19,200 bps sync

Data Format: Base unit only:
Channel: 4 async/1 sync;
Composite: sync,
internal/external
clocking, full-duplex

Flow Control: X-ON/X-OFF
(configurable per channel end),
and CTS/DTR; HP® ENQ/ACK
Tandem WANG®

Frame Relay: Supports up to one
64K link with 3 DLCIs

Expansion Slots: (3) for Expansion
Modules and Voice/Fax Cards,
(1) for the NMS Module

Diagnostics: Channel: Local/remote
channel loop, local/remote
channel output, local sync
channel loopback; Composite:
Remote composite loopback,
local system loopback

Interface: Channel and Composite:
RS-232C, V.24, V.28

Power: 115/230 VAC, 60/50 Hz,
135 watts

Size: 6.5"H x 17.5"W x 12"D
(16.5 x 44.5 x 30.5 cm)

Weight: 22 lb. (10 kg)

Ordering Information

ITEM	CODE
Multiserver 2000	MX250A
<i>You may also need...</i>	
Multiserver Voice Fax Module	
1-Channel.....	MX237C-1
2-Channel.....	MX237C-2
Multiserver Interface Cards	
E&M (PBX or Switching System).....	MX402A
FXO (Central Office Switch).....	MX404A
FXS (Phone or Fax Link).....	MX407A
Multiserver Expansion Modules	
6-Channel	
Async Only	MX222C
12-Channel	
Async RJ-45 with Line Driver	MX223C
12-Channel Async RJ-45 with Line Driver	MX224C
Multiserver 1 V.35 Converter/DCE	MX226-R2
Multiserver Integrated Router Module-Turbo	MX246A-R2
Multiserver 56K CSU/DSU Modules	
Single-Channel.....	MT150C
DB25 Crossover Cable (Composite to DCE)	
RS-232 Male to Male	EZ423-0015
RS-232 Male to Female	EZ424-0015