



BLACK BOX

NETWORK SERVICES

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Black Box Corporation.

Black Box Network Services • 464 Basingstoke Road • Reading, Berkshire, RG2 0BG • Tech Support: 0118 965 6000 • www.blackbox.co.uk • e-mail: techhelp@blackbox.co.uk

Modular Access Multiplexor

Multiplex up to 21 E1 Channels over copper or fibre



Modular Access Multiplexer

The Black Box MXU3000 Modular Access Multiplexer can be utilized as a link to a backbone or for Metrocore rings. The data from last mile devices and from conventional networks are multiplexed into a single data stream. The MXU3000 can bundle up to 16 E1 into one E3 or 21 E1/ 28 T1 channels into one T3 over copper or fiber optic channel, and combinations with other applications such as 10/100BaseT or RS530 are also possible.

Description of MXU3000

The MXU3000 is a system consisting of several components. Building on the base unit, the individual module slots can be used to customize the system. Hot-swappability makes it possible to perform upgrades and switch out individual modules without shutting down the device.

The MXU3000 is an ideal solution for enterprise applications and for carriers that offer both telephone and data transmission services. Thanks to

the broad range of modules available to the MXU3000, users can select the optimal customized solution themselves. They have the flexibility to realize changes that need to be done.

Thanks to its management system, the MXU3000 can be integrated into existing environments. An integrated Ethernet SNMP agent enables centralized configuration of all device settings. Also the MXU3000 can be controlled at a distance via a remote management connection.

The MXU3000 power supply is based on exchangeable direct current (DC) or alternating current (AC) power supply modules. There are two power supply slots for redundancy, but one power supply is sufficient. By addition of a redundant power supply, the MXU3000 can operate on AC and/or DC.

Base Unit and Modules

The base unit is in a 19", 2U chassis with six module slots. Five modules on interface side are assigning various interfaces such as for instance E1/T1 or 10/100BaseT modules. One slot is preserved for the line modules. It is possible to install a redundant line. The base configuration of MXU3000 consist of one line module and one interface module. The line module is set up for either copper or fibre optics. It is equipped with BNC connectors for E3/T3 channels or ST, SC, or FC-PC connectors for multi-mode/ single-mode fibre optic transmissions. On the interface side, RJ45 connectors are provided for the copper connection.

Specifications

Connections

Line Port — Copper: E3/T3 (BNC),
Fibre optic multimode or
single-mode (ST;SC;FC-PC)

Interface Port — Copper: RJ-45;
BNC; DB25.

Interface Modules — RLAN
Modules: 1x10BASE-T Bridge,
(4xE1 or 7xT1); 1x10BASE-
T/100BASE-TX router, WAN
module, RS-530 module
copper connectors: RJ-45;
BNC; DB25.

Management

Management — PVT100™ o,
Management/SNMP available
over Ethernet or RS-
232V.24/Telnet graphical user
interface (GUI).

Engine (Converter)

Data Rate — 16 x 2.048 Mbps
(E1) 21 x 2048 Mbps (E1), 28 x
1.544 Mbps (T1).

Operating Environment

Power — 115/230 VAC or 48V DC,
optional redundant power
supply.

Size — 8.6H x 46.5W x 36D cm

Weight — 2.75 kg

Ordering Information

Item	Code
Modular Access Multiplexor	
Basic Chassis with Mux Engine	MXU3000
Interface Modules Line, BNC	MXU3000-BNC
Fibre Line, Multimode	MXU3000-MM
Fibre Line, Single-mode	MXU3000-SM
7 x G.703 on RJ-45	MXU3000-7R45
Power Supply	MXU3000-PSU



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