BLACK BOX®

NETWORK SERVICES

Drop and Insert Multiplexer

Send Voice and Data over a Single E1Link.

Key Features

▶ Support Voice and Data on a single line.

▶ Interface conversion.

▶ Internal 2048 Kbps BERT.

▶ Simple push button configuration using LCD display.

▶ N x 64 kbps Data Channel.

Specifications

Connections

Composite Link and D&I Port — (2 each) BNC Connectors, 75 ohm unbalanced and (1 each) RJ45 120 ohm balanced

Data Channel — X.21/V.11 or V.35 configured as DCE on DB15 F

Management

Indicators — (2) Line, (16) Character LCD display plus LEDs

Front Panels Controls — (4) push buttons

Engine (Multiplexer)

Data Rates — Composite and Drop & Insert Ports 2048 kbps
Line Code HDB3

Data Channel — G.703 0 – 2048 Kbps;
G.704 0 – 1984 Kbps in N x 64 Kbps steps

Operating Environment

Operating Temperature — 0° to +40° Celsius

Power — 100 - 230VAC autosensing

Size — 4.2H x 22.5W x 16.5D cm

Weight — 0.75 Kg

Versatile and cost saving

The Black Box Drop and Insert Multiplexer provides an economic connection to E1 or fractional E1 links. As well as providing interface conversion, the drop and insert feature allows two streams of information such as voice and data to share the same link. This is particularly useful when limited bandwidth is available or leased circuit cost mean higher throughput cannot be made available.

Rapid deployment

One example is to provide both voice and data services over an E1, 2Megabit wireless radio link. Deployment of this combination will enable a branch office to be quickly established with all the service access of the main location.

Easy to configure

The Black Box MXU4000 is easy to configure by means of the push button operated commands with selections displayed on an LCD screen. Because it is so simple to do, the unit can easily be reconfigured whenever it is required to change priority between the drop port and the data connection.

Easy to manage

The information available on the display, the inbuilt test facility allowing link performance to be measured, all make the Black Box MXU4000 easy to manage. This abilty to run end to end loopback tests and BERT are especially helpful when the link is a temporary installation such as a wireless connection. The MXU4000 also maintains a running average count of CRC, BPV and FEBE errors.

Ordering Information

Item	Code
Drop and Insert Multiplexer	
Drop and Insert Multiplexer	MXU4000

 #81203