BLACK BOX®
NETWORK SERVICES

E3 Access Multiplexor with SNMP

34-Mbps WAN networking is here!

Product Features

▶ Up to three DTE ports:
▶ V.35 and HSSI data interfaces
▶ Data rates to 34 Mbps
▶ E3 network interface
▶ Local or remote management via the front panel, Terminal or an embedded SNMP agent.
  Extensive diagnostic features:
▶ Front-panel LEDS
▶ Built-in local/remote/network test loops
▶ Integral event log with non-volatile memory

Overview

The E3 Access Multiplexor allows you to connect up to three high-speed data terminal equipment (DTE) devices to a public or private E3 network. The compact, full-featured the E3 Access Multiplexor can be rack-or surface-mounted and is ideally suited for both hub and remote site network installations.

Applications

The E3 Access Multiplexor is a versatile, three-port digital service Multiplexor that connects high-speed bridges, routers, front-end processors and other data terminal equipment to an E3 network. The E3 Access Multiplexor provides up to three V.35 or HSSI data interfaces to the DTE. User-programmable bandwidth allocation allows you to configure the E3 Access Multiplexor for data rates from 358 kbps to 34 Mbps.

Comprehensive Network Management

You can manage the E3 Access Multiplexor from the front panel keypad, a local terminal, or from a management station located at the central site. The E3 Access Multiplexor supports the industry-standard Simple Network Management Protocol (SNMP) management information base (MIB II). The E3 Access Multiplexor also features a device-specific enterprise MIB that allows you to configure, monitor and control all significant operating parameters.

You can easily integrate Black Box's enterprise MIB with popular SNMP management packages, allowing enterprise-wide management of the E3 Access Multiplexor parameters from any compatible SNMP management system such as Hewlett-Packard's HP OpenView or SunSoft's SunNet™Manager.

Extensive Diagnostic Capability

In addition to front-panel LED's and test jacks for local fault analysis, the E3 Access Multiplexor maintains an integral log of alarms and other significant events in non-volatile memory. You can access the event log from the central site through an in-band communications link or through a modem, allowing you to monitor status and analyse faults from a central location. The E3 Access Multiplexor also features voltage-free contacts for remote alarm reporting.

Specifications

Network Interface

E3 line rate	34.368 Mbps +/- 20 ppm
Line code	B3ZS
Framing	CCITT B.751, G.703
Pulse shape	CCITT G.703
Impedance	75 unbalanced, resistive
System timing	Network, internal, or external

Data interface

Interface type	Up to 3 V.35 or HSSI ports
Data rates	Up to 34 Mbps in multiples of 358 kbps

Interface Connectors

Network	BNC or DIN
Data ports	DB25 socket (V.35) or 50-pin socket Amplimite (HSSI).
Comm port	DE9 socket

Diagnostics

Loopbacks	Local and remote DTE, network
LED's (network)	In service, alarm, red, yellow, Blue, BPV, parity
LED's (per DTE port)	TD, RD, TA/RTS, CA/CTS, DTR
Mini patch jacks	E3 Send Monitor, E3 Receive Monitor

Dimensions

Width	43.7 cm (17.3 inches)
Height	7.6 cm (3.0 inches)
Depth	27.9 cm (11.0 inches)
Weight	6 Kg (13 lbs)

Power Requirements

120 Vac, 0.5 amps maximum
220 Vac, 0.25 amps maximum
-48 Vdc, 1.2 amps maximum

Environmental

Operation temperature	0º to 50ºC
Storage temperature	-20º to 60ºC
Relative humidity	0 to 95% Non-condensing
Maximum altitude	4,000 metres (13,500 feet).

Ordering information

Item	Code
E3 Access Multiplexor with SNMP	
1 HSSI	MTU3100E
2 HSSI	MTU3102E
3 HSSI	MTU3103E
SNMP Management Processor	MTU9030