



BLACK BOX[®]

NETWORK SERVICES

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Intellimux ISDN Multiplexer

*ISDN Least Cost Routing
and Cross Connect.*



Key Features

- ▶ Full ISDN Cross Connect on BRI and PRI interfaces.
- ▶ Support for dial-in and nailed up connections.
- ▶ On board facilities management, SNMP, Telnet and TFTP.
- ▶ Remote control via B-channel based on ppp (point-to-point protocol).
- ▶ Modular concept with virtual upgrades.
- ▶ Straight forward installation, plug and play.

Specifications

Connections

PR interfaces — G703/G704 on (2) RJ45 connectors The two PR interfaces can be protected with built-in fail-safe relays.

BR interfaces — (8) BR interfaces, 's0' on RJ45 connectors Each PR or BR interface can be protected with built-in fail-safe relays

Ethernet interface — (1) RJ-45 10BASE-T for access to management system

Control port interface — (1) RS232 on RJ45

Management

Indicators — Status LEDs indicate

alarm and status, (1) Heart beat, (1) Ethernet, (2) PR Tri-colour, (8) BRI

Supervisor Port — RS-232, Local and Remote Management
Optional SNMP feature

Engine (Multiplexer)

Technology — ISDN multiplexer and cross connect

Data Rates — PRI Ports 2.048 Mbps, BRI 64 Kbps

Operating Environment

Operating Temperature — -10° to +50° Celsius

Power — 100-240V, 50-60Hz, 15W autosensing external

Size — 5.7H x 26.4W x 22.8D cm

Weight — 1.67 Kg

Powerful and flexible

The BLACK BOX[®] Intellimux is a smart ISDN multiplexer which is highly flexible, enabling a wide variety of applications and configurations to be implemented. It offers full support of EURO-ISDN protocol, including country variants. Both Least Cost Routing and Least Cost Switching are features. They are both based on analysis of called number and this number can be altered selectively. The routing table has more than 250 entries with straight forward priority scheme and alternative routes. All routing from network to terminals is based on the DDI or MSN range associated to terminal equipment. All relevant information elements (e.g. AOC) or supplementary services are passed transparently between network and terminal and nailed up B-channels or n x 64 kbit/s connections are supported.

Simple to expand

The control port provides access to configuration and status data as well as to traces, logfiles and statistics. Naturally access is fully protected through passwords with different levels of access rights. Remote control is possible through the ISDN B-channel based on standard point to point protocol. Management and statistics are powerful. Events can be classified based on severity level and filtered events can be traced and logged to memory or can generate SNMP traps to the management system. With the built-in real time clock, which provides calendar and msec time information, any event can be accurately pin pointed. Flash EPROM allows easy software upgrades.

Ordering Information

Item	Code
Intellimux ISDN	
Intellimux with 1 PRI and 4 BRI lines activated	ISU9950
Software keys	
Software key to activate PRI port 2	ISU995068
Software key to activate BRI ports 5 to 8	ISU995070
Software key to activate the built-in SNMP agent	ISU995066SNMP



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