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**

MICROMUX SP-8/34

Multiple high-speed interface converter functions

Key Features

- ***E3 to HSSI.***
- ***E2 to HSSI***
- ***E2 to X.21***
- ***HSSI to X.21***
- ***Field configurable between the four options***
- ***Unique upgrade from E2 to E3, saves capital spend when upgrading***

Specifications

Input Port: Synchronous serial HSSI: AMP two row (50 pin) female. X.21: DB15 female. Support for EIA530, RS449 and V.35 connector variations using external adapter cables. Local loop back option (Switch selectable).

Output Port: G.703 clear channel at E2 8448kbits and E3 34368kbit/s rates. Support for use of recovered clock or internal master clock (management selectable). Twin co-ax BNC (75 ohn un-balanced termination) connectors. Network side data inversion and remote loop back option (switch selectable).

Status Indicators: Red LED for power status. Green LED for carrier line status. Amber LED for clock master enabled. Amber LED for loop back enabled. Amber LED for jitter attenuation enabled. Amber LEDs for E2/E3/HSSI/X.21.

Power Supply: Internal auto-ranging 90-260VAC, 60.50Hz (-48VDC optional

Dimensionst: I25.2cm x 17cm x 4.6cm

Weight: 1.25 kg (approx.)

The MicroMux SP-8/34 is a versatile high-speed interface conversion platform, supporting four different interface options. In the MicroMux SP-8-R2 mode the system runs in unstructured mode as E2 to X.21/HSSI interface converter. In the MicroMux Sp-34 mode it runs in unstructured mode as E3 to HSSI interface converter. It can also be used to convert X.21 to HSSI, at up to 8448kbit/s. Please note that the X.21 interface can only be used at speeds up to the E2 8448kbit.s rate.

The MicroMux SP-8/34 is engineered to provide a simple and effective solution for connecting systems with HSSI or X.21 interfaces to carrier services presented at 8448Kbps via G.703, also known as E2, and 34368kbit/s, also known as E3. The most common application is to connect a router with an X.21 or HSSI interface to E2, using standard X.21 or HSSI cables, supplied by the router manufacturer. Both X.21 ans HSSI interfaces are present on a single unit. The user simply selects the interface required using the switch settings on the rear panel.

A major benefit of the MicroMux SP-8/34 is that it provides an upgrade path from E2 to E3, so a customer with an E2 circuit has the peace of mind knowing that when they upgrade to an E3 circuit they don't need to buy new equipment. A competent engineer may make the change from E2 to E3 in the field.

▼*Ordering Information*

ITEM	CODE
MicroMux SP-8/34	MTU9834-R2