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NETWORK SERVICES

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MTU4040 E1 CONVERTER



Fractional and transparent conversion in a rugged enclosure

Key Features

- ▶ **Supports G.703 and G.704 services**
- ▶ **Clear Channel, E1, and fractional E1 operation**
- ▶ **Flexible line and data clock sources**
- ▶ **Inbuilt G.703 BERT.**
- ▶ **Easily configured with cursor buttons and LCD display**
- ▶ **Unrestricted timeslot allocation**

The MTU4040 is a single-channel conversion unit that enables connection of X.21/V.11 or V.35 DTE devices to G.703 or G.704 circuits. Any Nx64 kbps X.21/V.11 or V.35 DTE device operating at speeds of up to 2.048 Mbps can connect to either a transparent (unframed or unstructured) G.703 link or a framed (or structured) G.703/G.704 link at any Nx64 kbps speed up to 1.984 Mbps.

The unit can be configured from the front panel switches and an in-built LCD display.

Full choice of clocking

The unit supports several clocking options including internal clock, network loop clock and external clock from the DTE port. The DTE transmit and receive clocks can be independently set to internal or external to help solve many common clocking problems.

Easy setup.

Four buttons are provided for configuration. (Up, Down, Ok, Cancel. Up and Down move between configuration items, or alter a configuration item if it is selected. Ok selects a configuration item or confirms changes. Cancel quits out of a configuration item discarding any changes. When modifying the timeslot allocations, Up and Down move between timeslots, Ok toggles the timeslot as enabled or not, Cancel brings up a second display

requesting confirmation of changes. Please note that the diagnostics settings do not get stored in Non volatile memory and will always revert to disabled on power up.

The MTU4040 is equipped with a comprehensive suite of diagnostic options including a G.703 BERT facility. Local and remote network loopbacks and the ability to send and respond to standard loop up and loop down codes, are a feature of the diagnostic capability. These enable an engineer at one end of the link to put the remote MTU4040 into network loop and run the BERT test across the link. This tests the link without the need to send the engineer to the remote site.

Compact and rugged construction

With its tough metal case and integral power supply the MTU4040 is ideal for integration into complex systems where two may be mounted side by side on a 19" (48.3-cm) rack shelf.

Specifications:

Clock Source: Network, internal, or recovered from DTE port.

Controls: Front panel push button "cursor" control

Data Control: X.21/V.11 or V.35 configured

Data Rates: G.704: 0-1.984 mbps in 64k steps; G.703: 2.048 Mbps

Environment: Operating temperature: 0-40°C

Standards: Link E1 or fractional E1, G.704, or G.703 Transparent, CRC4 selectable.

Connectors: Link: 2 x BNC and 1 x RJ-4

Indicators: (2) line, (24) character LCD display plus status LEDs

Power: Internal, autosensing 100-240

Size: Metal enclosure: 21.5W x 15.8D x 4.3H cm

Weight: 0.75 kg

Ordering Information

ITEM	CODE
MTU4040 E1 Converter	MTU4040



84040