

Broadband Access Products

Digital TDM Bridge & Interface Converter

Technical Overview



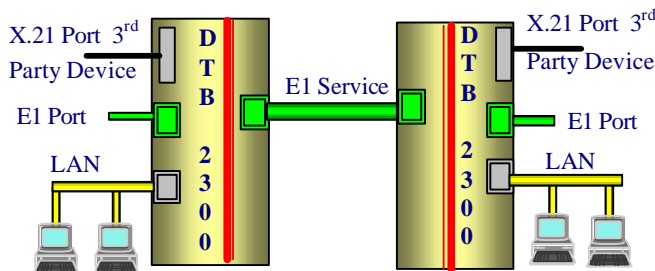
- Ethernet Bridge and serial port over E1 trunk
- Ethernet Bridge and E1 port over serial trunk
- Interface converter E1 to Serial
- Interface Converter serial to E1
- Easy to use menu driven configuration
- 4 User configurations.

Case Communications DTB Applications

The Case Digital Time Division Bridge, is a multi function device which shares common hardware with the Case Communications XLR 4600 G.SHDSL modem.

The DTB, may be used in any of the following modes.

E1 Bridge and TDM



E1 Bridge and TDM

Using an E1 service the DTB can act as a Time Division Multiplexer and Bridge providing the following services.

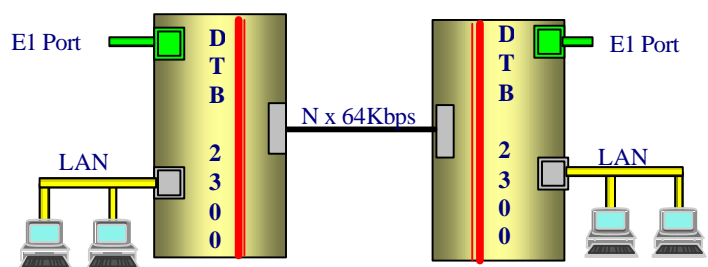
- Integral Ethernet bridge with Spanning Tree
- X.21 Serial data transport
- E1 Framed or unframed port

X.21 Bridge and TDM

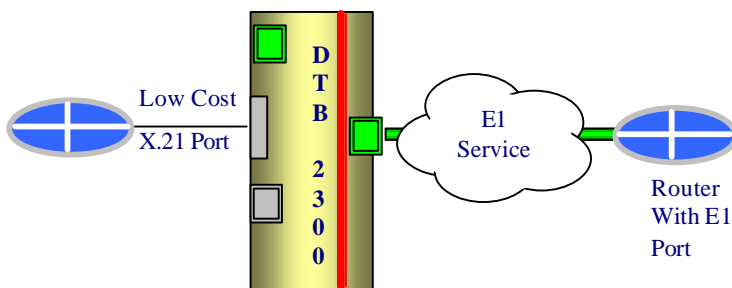
Using an N x 64Kbps service the DTB can act as a Time Division Multiplexer and Bridge providing the following services.

- Integral Ethernet Bridge with Spanning Tree
- E1 Serial data transport, framed or unframed
- The DTB can generate frames over an unframed service

Serial Bridge and TDM



E1 to Serial Conversion



E1 to Serial Conversion

E1 port on routers are more expensive than serial ports, and significant cost savings can be made by using the DTB, to provide conversion from an E1 service to a Serial port, either with one DTB at each end or using a single DTB to convert a third party device operating on the E1 service

FACT SHEET