

mediaband

MediaBand-8/16/32



The MediaBand-8/16/32 interfaces to 8, 16 or 32 E1 or T1 circuits and delivers these clear trunks transparently across a fiber link. V.35 and X.21 interfaces are also available.

Features

- ▶ The same fiber can be used to simultaneously transport Ethernet services.
- ▶ Optional second fiber link for automatic resilience
- ▶ Removable internal AC/DC power supply
- ▶ Optional hot-swappable second load sharing AC/DC supply for resilience
- ▶ Remotely manageable via Ethernet ports
- ▶ Cascade chassis and other MediaBand products down the same fiber
- ▶ Intuitive graphical manager – no DIP switches
- ▶ Real-time Events & Alarms
- ▶ Robust, reliable and professional quality

Specifications

TDM port (E1)	(8-32) RJ45 connectors Presents as DCE (crossed cable for DTE) 120 Ohm 75 Ohm user-selectable via converter cable G.703 unstructured HDB3 Transparent to user signalling
TDM port (T1)	(8-32) RJ45 connectors Presents as DCE (crossed cable for DTE) 100 Ohm Unframed G.703 1.544Mbps B8ZS or AMI selectable Transparent to user signalling
X.21 and V.35 Interfaces	8 port and 16 port card. Specify interface type at time of ordering Speeds 64kbps to 2.048Mbps HDMI connectors Converter cables to V.35 MRAC/DB25 Converter cables to X.21 DB15 V.35 signals; Tx, Rx, S (Tx), S (Rx), Ext Clock, DCD, CTS, RTS, DTR, DSR X.21 signals; Tx, Rx, S, C, I
Ethernet Interfaces	(2) SFP cage (module not supplied) for various fiber modes 2 x RJ45 UTP 10/100/1GE Auto-sensing or manual
Local Management Port	RJ12 Asynchronous Auto-sensing to 115kbps Also remote access via Ethernet port
Oscillator Performance	Hold-over 24hrs 15ppb Aging per day 10ppb Temperature Stability 12ppb
IP & MAC Address	Single MAC address, IP address, subnet mask.
Configuration	Held in non-volatile memory
Realtime Clock	For time-stamping Events and Alarms
Events & Alarms	Held in non-volatile memory FIFO Automatically sent to DbManager
Power (AC)	MediaBand-32 supports 1 or 2 supplies these are hot swappable to ATCA spec. 1 Supply can power a fully populated MediaBand. AC Auto-sensing 96VAC – 240VAC Max consumption 0.5A RMS @230VAC DC 4mm terminal Block 36VDC tp 57VDC 1.2A max-33VDC to -75VDC 0.35A max MTBF 1,790,000hrs
Safety	EC EN60950-1:2002 ACA TS001:1997 ACS/NZ60950:2000 AS/NZS3260:1993 IEC950
Dimensions	Width: 17.25" [438 mm] Depth: 12.6" [320 mm] Height: 3.46" [88 mm]
Environment	Operating Temperature -20°C to +55°C Humidity 10-90% non-condensing
Warranty	1 year hardware & software

Ordering Information

*MB-8-AC

8 Port T1/E1 converter with 2 SFP cages plus 2 10/100/1000Mbps RJ45 ports for Ethernet transport and management. Includes 19" rack mount ears, serial control cable and DbManager Lite. AC Power.

*MB-8-DC

8 Port T1/E1 converter with 2 SFP cages plus 2 10/100/1000Mbps RJ45 ports for Ethernet transport and management. Includes 19" rack mount ears, serial control cable and DbManager Lite. DC Power.

MB-16-AC

16 Port T1/E1 converter with 2 SFP cages plus 2 10/100/1000Mbps RJ45 ports for Ethernet transport and management. Includes 19" rack mount ears, serial control cable and DbManager Lite. AC Power.

MB-16-DC

16 Port T1/E1 converter with 2 SFP cages plus 2 10/100/1000Mbps RJ45 ports for Ethernet transport and management. Includes 19" rack mount ears, serial control cable and DbManager Lite. DC Power.

MB-32-AC

32 Port T1/E1 converter with 2 SFP cages plus 2 10/100/1000Mbps RJ45 ports for Ethernet transport and management. Includes 19" rack mount ears, serial control cable and DbManager Lite. AC Power.

MB-32-DC

32 Port T1/E1 converter with 2 SFP cages plus 2 10/100/1000Mbps RJ45 ports for Ethernet transport and management. Includes 19" rack mount ears, serial control cable and DbManager Lite. DC Power.

Optional Accessories (sold separately)

PB/cont

Replacement serial controller cable

PB/cpack/8P

Cable Pack for 8 E1/T1 RJ45 2m.

PB/cpack/75BNC/01

120 Ohm RJ45 to 75 Ohm dual BNC conversion cable 20cm

PB-MB-PSU-AC

Additional AC Power Supply for 2 RU PacketBand or MediaBand Chassis

PB-MB-PSU-DC

Additional DC Power Supply for 2 RU PacketBand or MediaBand Chassis

*Please Note:
MB-8 models are not expandable beyond 8 T1/E1 circuits