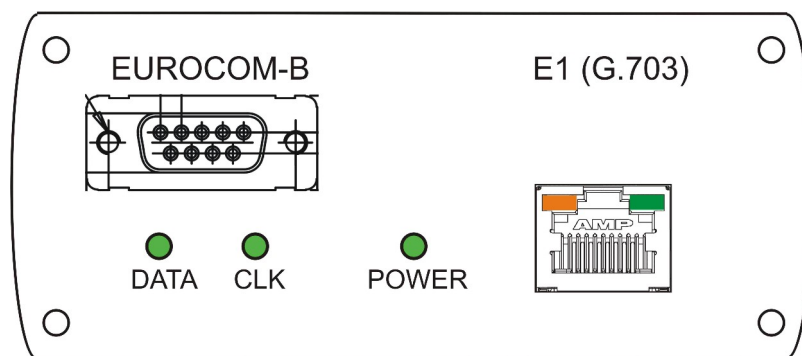


Eurocom B / E1 MD Converter



Usage:

Eurocom/E1 MD converter box allow to connect any equipment with Eurocom B interface to any equipment with E1 (G.703 / 120 Ω) interface. For 2048 kbps it works just like simple converter - only perform physical layer interface translation. For lessee throughputs, there are two modes of operation (G.704 and duplicator modes).

G.704 mode: G.704 framing is generated on E1 interface and raw data from Eurocom side are placed in proper timeslots (and vice versa).

Duplicator mode: Each bit is duplicated 2/4/8 times. On the receiving side is reconstructed the original bit stream. The converter automatically recognized the clock rate.

Configurable via RS-232.

Eurocom/E1 converter specification:

- Binary throughput:
 - simple mode: 2048 \pm 100ppm
 - duplicator mode: 1024/512/256 kbps \pm 100ppm
 - G.704 mode: any multiple of 8 kbps from 8kbps to 1984 kbps.
- E1 interface:
 - G.703/120 Ω , balanced electrical parameters (ITU G.703, chapter 9)
 - RJ-45 socket (1,2-Rx, 4,5-Tx, 6,7-GND)
- Eurocom interface
 - B type, as per EUROCOM D/1 1986 IB6 (pages IB6-1 .. IB6-5)
 - socket: D-SUB 9 female-type
- Configurable via RS-232 (CLI mode).
- Power supply (options):
 - +24VDC (+12...+30V), 0.5A, non-isolated, '-' connected to boards earth and case, PSU socket 5.5/2.5mm
 - -48VDC (-36...-72V), isolated, MC 1,5/3-G-3.81 socket.
 - AC 85...240VAC, 47...63Hz, IEC60320-C14 socket
- Power consumption < 2 W
- Box size: 106mm • 175mm • 46mm
- Board size: 100mm • 164mm • 16mm (with +24VDC power supply)
- Working temperatures: -30° +50°C (for DC power supply only)

Manufacturer:

www.tel-ka.com.pl

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