



### Overview:

TD **FES-CNV-E1-V.35** gives the interface conversion between G.703 E1 and V.35. This device provides an economical digital access solution for E1 and Fractional E1 network services. With a adapter cable, the Device can link to other DTE Device, such as router, at data rates of 64Kbps to 2048Kbps. User data is placed into the E1 frame, using only the required number of timeslots. Timeslot assignment is accomplished according to the Data Port speed and manual setting of DIP switches. The main E1 link may be clocked from the recovered receive clock, from the Data Port clock, or from an internal oscillator.

### Technical Specifications:

#### Header :

**Brand : FES**

**Product Line : Forever Engineering Systems Pvt. Ltd.**

#### Features:

- Interface conversion between E1 and V.35
- Support ITU-T V.35, G.703, G.704, G.823
- Standalone and chassis module available, support hot-swap
- Framed (N\*64Kbps) and (2.048Mbps) optional, continuous and discontinuous setting
- Frame mode support PCM30/ PCM31
- CRC/non-CRC auto-negotiation on E1 interface
- Support remote bandwidth control, and remote loop back under framed mode.
- Support internal clock, E1 recovery clock or V.35 line clock
- Provide local, diagnostic and remote loop back test.
- For E1 interface, 75 ohm (unbalanced) and 120 ohm (balanced) available and auto-negotiation.
- For V.35 interface, DCE and DTE mode are optional

#### CORPORATE OFFICE

**B-817, 8TH FLOOR, ADVANT NAVIS BUSINESS PARK, SECTOR-142, NOIDA-201301, UTTAR PRADESH, INDIA**

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- Comprehensive LED indicators on front panel, convenient for the diagnosis of equipment working state
- 48VDC & 220 VAC power supply select table

### Technical Specifications:

- E1 interface
  - Data rate: Nx64Kbps, N=1~32
  - Code type: HDB3
  - Compliant with G.703, G.704, G.X23
  - 75 Ω/120 Ω Optional
  - BNC(75 Ω)/ RJ45(120 Ω) Framed / Unframed optional
  - V.35 Interface
  - Data rate: Nx64Kbps, N= 1~132
  - Connector: DB25 female jack
  - DTE/DCE optional
  - LED
  - PWR, TEST, LOOP, PTOK, ELOS, AIS, CV, VLINK, RXD, TXD
  - DIP Switch
  - Remote / Local / Diagnostics LOOP, V.35 Timing, Test Mode, Remote Timeslot Follow, E1 Timing Mode, 32 timeslots setting
  - Size
  - Standalone 252 (w) X 136 (D) X 40 (H) mm
  - Chassis: 19" (w) >> 340mm (D) >> 4U(H)
  - Power
  - INPUT: AC Power: 100V-240V, 0.4-0.2A, 50-60Hz
  - DC Power: -48V, 0.4A
  - Power : <2W for each standalone or module
- Environment Operation**
- Temperature: 0°C — 50°C;
  - Humidity: 0% — 90% (non-condensed)
  - Air pressure: 86kPa — 106 kPa.
  - Transport and store
  - Temperature: -20°C — 60°C;
  - Humidity: 0% — 90% (non-condensed)
  - Air pressure: 86kPa — 106 kPa.

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