
E1 TO V.35 Protocol Converter

Overview

ATMEV-135F FE1/V.35 interface converter support the conversion between E1(N*64K) interface which accord with the ITU-T G.703 standard and V.35 interface. It can not only realize the function of ATMEV-100 enhanced interface converter, but also can fulfill rate converter and pick-up time. It can receive synchronous data of 2.048Mbps from E1 network, and transmit the data to ROUTER or other devices. The mode of interface is DCE, and it can be connected with DTE or DCE devices.



Features

- ◆ Adopting HDB3 line code
- ◆ Fully compatible with ITU-T V.35, G.703, G.704 standard
- ◆ E1 and V.35 interfaces can realize internal loop
- ◆ Line rate: N*64Kbps, N=(1~31)
- ◆ Frame format: frame
- ◆ E1 line code: compliant with ITU-T V.35, G.703, G.704
- ◆ E1 channel support 75Ω/120Ω impedance
- ◆ Full LED indicators show working status
- ◆ V.54 diagnose, can realize analog and digital looping test
- ◆ V.35 interface supporting hot plug/unplug
- ◆ Timing mode is selectable:
 - ◆ Internal oscillator (default)
 - ◆ External from the DTE
- ◆ Line clock derived from the receive signal
- ◆ Power supply are selectable in -48V/ 220V
- ◆ Standalone and 19 inches chassis are selectable

Specifications

1 E1 Port

Data rate: N*64Kbps, N=(1~31)

Line code: HDB3

Impedance: 75Ω(BNC)/120Ω(balance) auto-negotiation

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar- IV, New Delhi – 110024, INDIA

Phone : +91 11 41323629, +91 93 502 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com

Electric characteristic: comply with ITU-T G.703 standard

Connector: BNC (75Ω), RJ-45 (120Ω)

Jittering: comply with G.742 and G. 823 standard

Frame format: frame, comply with G.704 standard

2 V.35 port

Data rate: $N*64\text{Kbps}$, $N=(1\sim31)$

Interface Mode: DCE male

Interface connector: DB25 connector, DCE or DTE are selectable

Electric characteristic: comply with ITU-T V.35 standard

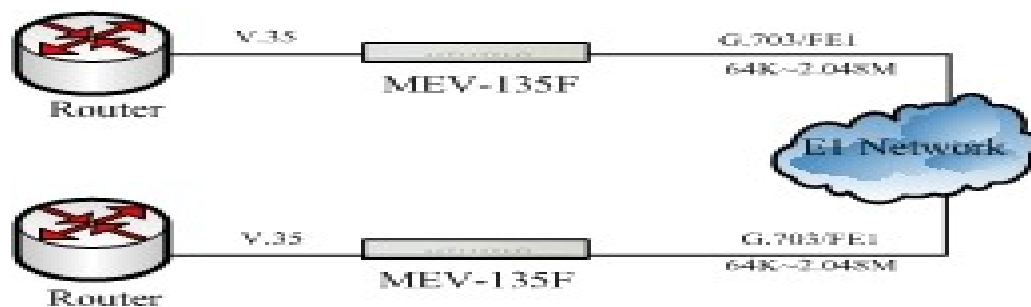
3 Timing mode: Line clock and Internal oscillator of G.703

4 Power supply Voltage: -48VDC or 220VAC±20%

5 Environment Working temperature: 0°C~50°C

6 Size: 212mm(W)×150mm(L)×38mm(H)

Typical Application



Order Information

ATMEV-135F/AC	FE1-V.35 Interface Converter, $N*64\text{K}$, 75Ω, 220V
ATMEV-135F/DC	FE1-V.35 Interface Converter, $N*64\text{K}$, 75Ω, -48V

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