

# E1 to V.35 Converter

## NIC-FE1S



### General

NIC-FE1S is high quality E1 or FE1 to V.35 converter that can provides an economic solution for connection between routers with V.35. It is an ideal equipment for point-to-point application or internet access.

Furthermore, NIC-FE1S converter provides the Fault-pass through function. The E1 line fault can be feeded back to the V.35 interface of the Router .

NIC-FE1S supports end-to-end SNMP management (in fractional E1 mode). In-band remote management can monitor and configure the remote standalone unit via the local card unit in NIC-IRACK.

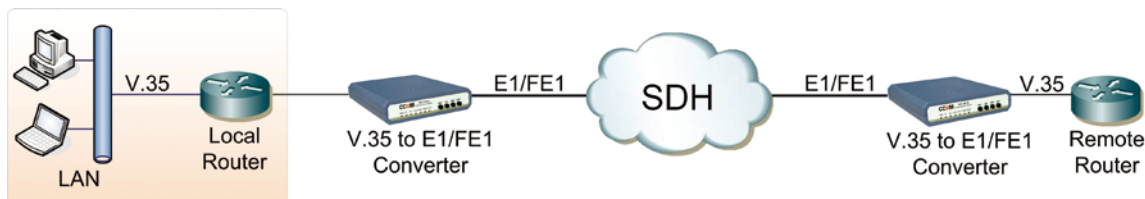
NIC-FE1S series converters provide two types:

- NIC-FE1S/AC(or48) is standalone device
- NIC-FE1S/C is modular equipment.

### Features

- Compliant with G.703, G.704 ,G.823 standard
- Data rate: n×64Kbps(n≤32)
- Frame format: Unframed/CCS/CAS
- Support local and remote loop-back function for BERT
- Provides Fault-pass through function
- Support CRC verify function
- Standalone and card unit
- Supports SNMP management via local card unit in rack
- AC 220V or DC -48V optional for power supply

### Application



### Technical Specification

#### E1 Interface

- Standard: ITU-T G.703, G.704
- Framing: unframed, CCS,CAS
- Code: HDB3
- Rate: 64kbps up to 2048kbps in 64k step
- Receiving sensitivity: 0~-18dBm
- Jitter: comply with G.823
- Connector: BNC female or RJ-45 for standalone unit

#### Data Interface

- Ports:4
- Type:V.35 X.21 RS-530/V.36 RS-499 RS-232
- Rate: n×64K(n≤32)
- Code : NRZ
- Timing: master clock (internal timing)  
slave clock (follow E1 line)  
external clock (follow V.35 input timing)
- Connector: M34

#### Physical Summary

- Dimension: Standalone: 197 mm (W)×230 mm (D)×44 mm (H)  
Card: 144mm (W)×250mm (D)×28mm (H)
- Weight: Standalone: 0.8Kg  
Card: 0.3Kg
- Power: 165 to 265 VAC, 50 or 60 Hz, 5VA  
-36 to -72 VDC, 5W (only for standalone unit)
- Temperature: 0°C-50°C for operation  
-20°C-70°C for storage
- Humidity: ≤90% (non-condensing)