

E1/V.35/10Base-T interface G.SHDSL Modem NIT-EN (NIT-EB)



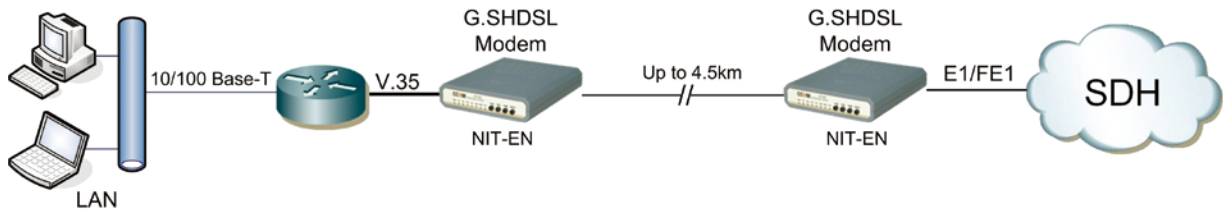
Description

NIT-EN, NIT-EB series products are based on G.SHDSL technology, transmitting E1/V.35/Ethernet service over twisted-pair. G.SHDSL modem can extend distance up to 4.5km with data rate from 64kbps to 2048kbps over a single pair(0.5mm) without any repeater. NIT-EN, NIT-EB provide three types of operating mode: software, hardware & External LCD controlling. And two types of the unit: standalone for client & card for carrier.

Features

- Two types:
 - NIT-EN: E1/FE1/V.35 ports
 - NIT-EB E1/FE1/10Base-T ports
- Transmission distance: 4.5km(2Mbps,0.5mm)
- Transmission rate:
 - E1 port: 2048Kbps
 - FE1port: n*64Kbps(n<32)
 - V.35/10Base-T port: n*64Kbps(n≤36)
- Parameter setting mode
 - Software (VT-100)
 - Hardware
 - External LCD controller
- Remote rate auto-follow the local rate
- Local and remote loop test and BERT
- SNMP available for 19" RACK system
- Standalone unit and card unit optional

Application



Specification

E1 Interface

- Standard: comply with ITU-T G.703、G.704
- Format: Unframed/CCS
- Coding: HDB3
- Jitter: comply with ITU-T G.823
- Rate: 2.048Mb/s±50ppm
- Connector: BNC female(75Ω) or RJ-45 (120Ω)
- Transmit low voltage: 0 ± 0.1V

Ethernet

- Standard: comply with IEEE802.3、802.3u、802.1q、802.3x
- Channel rate: n×64Kbps(n≤36)
- MAC address: 1K
- Auto MDI/MDI-X
- Connector: DB-25(Female), attach RJ-45 adapter

G.SHDSL (Transmission) Interface

- Standard:ITU-T G.991.2、ANNEX A、ANNEX B
- Line coding: TC-16PAM
- Line impedance: 135Ω
- Rate: n×64Kbps + 8K(n≤36)
- Transmission distance: (2048Kbps,BER≤10⁻⁷)
 - 4.5km(24AWG,0.5mm)
 - 3.2km(26AWG,0.4mm)

V.35 Interface

- Interface type: V.35(DCE)
- Connector: DB-25(Female),attach M34(Female)adapter
- Rate: n×64Kbps(n≤36)
- Coding: NRZ

Physical Summary

- Timing: Internal clock(INT), external clock(EXT, only V.35), Receive clock(REC, only E1), Loop clock(LOOP)
- 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: 90 to 265 VAC, 50 Hz±2%, 6VA
-36 to -72 VDC, 6W (only for standalone unit)
- Temperature: 0℃-50℃ for operation,
-20℃-70℃ for storage
- Humidity: ≤90% (non-condensing)

1

Multi-access System

2

Compact SDH/MSTP Multi-Service Platform

3

PDH Fiber Optical Multiplexer

4

PDH Fiber Optic Multiplexer

5

PDH Fiber Optical Multiplexer

6

G.SHDSL PRODUCT

7

E1 Inverse Multiplexer

8

Ethernet Bridge

9

G.703/G.704 to V.35 Converter

10

Ethernet Media Converter