

Ethernet to Single E1 Converter NIC-EBS/L



Description

NIC-EBS/L Series product provide one Ethernet traffic over single E1 channel solution.

As the extended equipment of Ethernet, it connects two Ethernets transparently over TDM network at low cost. The loop test function make the maintenance of line convenient.

Two type of the unit can be provided: standalone for client & card for carrier.

Supports SNMP management via local card unit in rack.

Features

- Support unframed / framed mode
- Bandwidth: $n \times 64\text{Kbps}$ ($n \leq 32$)
- Support AIS indication
- Support VLAN Trunk
- Support flux control
- Support local and remote loop test
- End-to-end SNMP management
- Power: AC or DC
- Standalone and card unit

Application

Solution: Provide point-to-point Ethernet connection over a Single E1, and the data rate is up to 2048kbps.



Specification

Ethernet Interface

- Standard: comply with IEEE802.3, 802.3u, 802.1q, 802.3x
- Baud rate: 10/100Mbit/s, auto-adjusting/force mode
- Bandwidth: $n \times 64\text{Kbps}$ ($n \leq 32$)
- Duplex Mode: force or Auto-Negotiation on Half / Full Duplex Mode
- MAC address: 1K
- Auto MDI/MDI-X
- Connector: RJ-45 socket

G.703 Interface

- Standard: comply with ITU-T G.703, G.704
- Format: Unframed/CCS
- Coding: HDB3
- Jitter: comply with ITU-T G.823
- Rate : $n \times 64\text{Kbps}$ ($n \leq 32$)
- Connector: BNC female(75Ω) and RJ-45 (120Ω)

Physical Summary

- Dimension: Standalone: 197 mm (W)×230 mm (D)× 44 mm (H)
Card: 144mm (W)×250mm (D)×28mm (H)
- Weight: Standalone: 1.1 Kg
Card: 0.3Kg
- Power: 90 to 265 VAC, 50 Hz±2%, <5W
-36 to -72 VDC, <5W (only for standalone unit)
18 to 36 VDC, <5W(only for standalone unit)
- Temperature: 0°C-50°C for operation
-20°C-70°C for storage
- Humidity: ≤90% (non-condensing)

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Multi-access System

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Compact SDH/MSTP Multi-Service Platform

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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

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Ethernet Media Converter