



E1-Extender

Overview

E1-EXTENDER extends the reach of E1 lines. It provides 2 ports of E1 for long haul / short haul / extended long haul connectivity. The system bridges both E1 ports & hence converts short haul E1 to up to extended long haul connectivity. The system offers a cost effective solution for extending E1 lines up-to 2.5 Km.

Key Features

- Extends E1 line on normal twisted pairs to more than 2Km
- Provides full rate between two G.703 120 ohms (75 ohms optional) interfaces.
- Single slot indoor enclosure for prompt installation.
- 19" shelf available for mounting of multiple cards in exchange area (optional)
- Structured and unstructured modes.
- Loop back at various interfaces can be generated for fault diagnostics.
- OAM operation through VT 100 dumb terminal.
- Power supply supports AC & DC inputs.
- Full Feature LCD display for system configuration and diagnostic



Specifications

Model	E1 Extender
Hardware Specifications	
Power supply	230 V A.C nominal (160V to 240V) / -48 V D.C nominal (-36V to -60V)
Dimensions(mm)	Single Slot (S. S.) Enclosure: 245 x 306 x 62 & 19" shelf: 586 x 355 x 435
Operating environment	-15 ~55 degree C, 5%~90%RH
Interfaces	
Network Interface	Two G.703 Interfaces
G.703	120 Ohms /75 ohms network interface
Standards	Complies with G.703, G.704, G.706 & G.732
Modes	Structured / Unstructured modes
Line Code	HDB3
	LIU Sensitivity: (I) Short Haul.0 to -6dB (II) Long Haul.0 to -34dB (III) Ext. Long Haul. -20 to -48dB
Clock Options	Internal Clock/ External Clock/ G.703 Recovered Clock
Protection	K.20 & K.21
Connectors	RJ45/Terminal Block & BNC
Management	
Front panel LEDs	<ul style="list-style-type: none"> • SYS Fault: System Fault. • FAULT P1: Loss of signal at Port1. • FAULT P2: Loss of signal at Port2. • RD P1: Transmit Data Port1. • TD P1: Receive Data Port1. • RD P2: Transmit Data from Port2. • TD P2: Receive Data on Port2. • Test: System under Test
LCD with front panel switches	16x2 LCD for System Information, Configuration & Fault Diagnostics
Loop backs	Compliant to ITU V.54
BER meter	Yes with PRBS generator & various data patterns.
Console	RS232 connector for PC connectivity.

Ordering Information: RTS-E1-EXTENDER

RealTime reserves the right to change or modify or update or clarify specifications without notice in the interest of technological advancement.

Manufactured By:
RealTime Systems Ltd.
 247/29,Block-D,Sector-63
 Noida-201301 (UP)
 Ph.No. +91-120-4141500
 Fax No:+91-120-4141549
 E-mail:inquiries@rtsindia.com



Visit us: rtsindia.com

"Most Reliable Networking Products"