

RTS-CONV-2MB provides a new level of performance in connecting bridges and routers to an Unstructured/Structured E1 or fractional E1 through G.703, 2Mb/s leased lines.

To connect a LAN bridge or router to a 2 Mb/s leased line requires a G.703 interface. The RTS-CONV-2MB spans the gap between the synchronous interface of a bridge or router and the E-1 leased line.

RTS-CONV-2MB offers a V.35/V.36/V.11/X.21 DTE or DCE interfaces and BNC (optional) or twin wire screw type connectors for the E-1 line interface.

Features

- Provides rate & interface conversion between G.703, 120 ohms interface, to various client side interfaces like V.35, V.36, X.21, RS-530 etc.
- Complies with G.703, G.704, G.706 & G.732.
- Data rate up-to 2.048 Mb/sec, selectable from N=1 to 32.
- Various types of enclosures including tabletop, rack / standard 19" shelved available.
- Structured and Unstructured modes, locally settable, provided.
- Various Loop-backs can be generated from the front panel of the converter for fault diagnostics.
- It can operate as short-range (2-Km) modem. Optionally system can support long haul applications.
- Complies with EMI/EMC specifications CISPR 22A {1993} for Class B equipment.
- OAM operations through VT 100 dumb terminal.
- Management software available for 19" rack & shelf mounted systems.
- 160 V to 240 V AC and -36 V to -60 V DC operations possible.
- LCD display (16x2) for system status (Optional).

Specifications

System Applications

- PCM network with G.703 co-directional interface to router/ server of LAN network.

Network Interfaces

- G.703, 120 ohms balanced network interface.
- Structured / Unstructured leased Line
- Line Code: HDB3

Client Interfaces (Synchronous Data Interfaces)

- V.35, V.36, X.21/V.11 client interface providing up to 2.048 Mb/sec data.
- N x 64 Kb/s (N=1 to 32) user configurable as bandwidth requirements.
- DTE, DCE soft configurable (Optional).



Fault Diagnostics

- Loop-Backs
 - Network-to-Network loop back at G.703 Interface.
 - Client-to-Client loop back at Data Interface.
- Front panel LED & Display/ LCD (Optional).

Clock Options

- Internal Clock
- External Clock
- G.703 Recovered Clock

Front Panel Indicators

- | | |
|--------------------------|--|
| ➤ +5V | Indicates presence of 5V DC or power supply. |
| ➤ Fault E1 | Fault at E1 Interface (LOS, AIS or Loss of Frame). |
| ➤ Fault Data Interfaces. | AIS or All Zeroes. |
| ➤ TD | Transmit Data on E1 port. |
| ➤ RD | Receive Data from E1 port. |
| ➤ TD | Transmit Data on Data port. |
| ➤ RD | Receive Data from Data port. |
| ➤ Test | System under test. |
| ➤ SYS FAULT | System faulty, self test fail. |

Power Supply

- 230 V A.C nominal (160V to 240V)
- -48 V D.C nominal (-36V to -60V)

Switches & Display

- Single digit seven segment display for system status.
- DB 9 for RS 232 port for configuring the card through PC.
- G.703 Jack for isolation, if required.
- Front panel switch for various diagnostics.

LCD features (Optional)

- 16 character x 2-line LCD provided on the front panel.
- System Information, Configuration, Alarm Status & Fault Diagnostics can be performed through LCD control switches.

Dimensions

- Single Slot Enclosure (W x D x H) : 245 x 306 x 62 mm
- Rack with single 19" shelf (W x D x H) : 586 x 355 x 435 mm

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