



DATA COMM FOR BUSINESS



CXR MX-E3T3

Applications

- E1/T1 distribution over E3/T3 Radio or SDH network
- Transport of 16E1/28T1 and Ethernet over fiber optic.

Copper DS3/E3/T3 versions

- 16E1 to E3/34Mbps (E13)
- E13, M13 and G747 ITU multiplexing
- One E1 or T1 can be activated as a 2Mbps/1.5Mbps Ether-

General

- Chassis 19"
 - 16xE1/T1 /100-120 Ohms version 1U
 - 16x E1/75 Ohms version 2U
- Telnet/SNMP management
- Alarm Relay

Power supply, 3 models:

- Fixed AC or DC48
- Modular w redundancy: 2 AC, 2 DC48VDC or AC+DC

TRANSPORT OF 16T1/16E1 OVER DS3/E3/T3

MX-E3T3 is a PDH, DS3, E3 or T3 multiplexer to 16 T1 - 1.544 Mbps interfaces or 16 E1 2 Mbps. The **MX-E3T3** provides a simple and cost effective solution for transporting multiple E1/T1 over a single 34/45M data stream in a Telco or industrial environment.

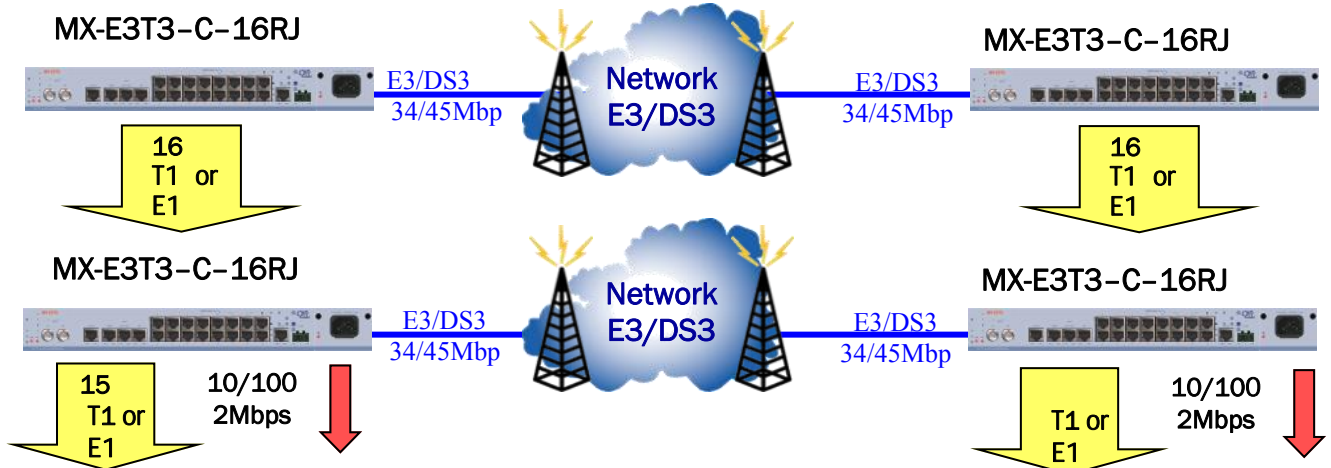
MX-E3T3 is an E3/T3 mux which extracts E1 or T1 links from a PDH trunk. It can easily take place in a PDH / SDH network for E1/T1 extraction and distribution from higher level multiplexers.

The **MX-E3T3** provides three Ethernet interfaces for SNMP management, for Voice Over IP maintenance service over Sn or C bits of E3/T3, and for LAN to LAN bridging with one E1/T1 inband .

MX-E3T3 is a compact 1U high, 19 inch chassis. It is powered by 2 hot swappable and redundant power supply modules with 110/230 Vac or 48 Vdc input or one AC or DC fixed power supply. The MX-E3T3 offers easy management from a local console port, or from the network through Telnet , FTP or SNMP.

The full TDM product range from CXR is based on the same configuration and monitoring principles that were designed to satisfy all requirements of telecommunication operators, corporate

APPLICATIONS OF COPPER VERSION



TECHNICAL SPECIFICATIONS

E3/T3 Interface

- Multiplexer : E13, M13, G.747
- Line Code : HDB3 / B3ZS
- VoIP control channel through Sn / E3 or C / T3 bits
- Copper Interface : BNC, 75Ω, sensibility : 0 -10 dB
- Fiber Interface : multi or single mode, distance 3km to 110 km,
- Connector type : FC, SC, dual or single WDM fiber options

E1 Interface

- Data rate : G703, 2.048 Mbps
- Line Code : HDB3 or AMI
- Impedance : 120Ω , RJ48c or 75 Ω ,BNC (option)
- Transparent clocking
- Long haul / short haul : -12 / -42 dB

T1 Interface

- Data Rate : T1, 1.544 Mbps
- Line Code : B8ZS or AMI
- Impedance : 100 Ω ,RJ48c
- Transparent clocking
- Long / short haul : -12 / -36 dB
- Line build out : CSU and DSX levels

Loop control

- Remote and Local loopback software controlled

Ethernet Interface

- Interfaces : 3 x 10/100 BT RJ45 for:
- Transparent Ethernet bridge:
 - copper version: 1 E1 or T1 can be activated

- Management: Telnet, ftp, SNMP

- VoIP compatible service channel through Sn (E3) or C (T3) bits

Management

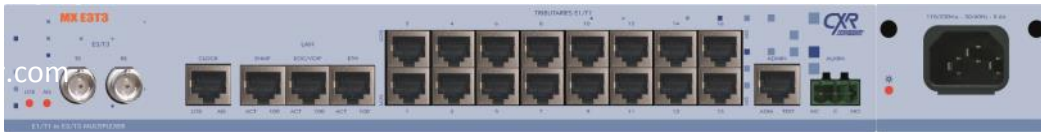
- Console port : Async RS232 / RJ45
- VT100 intuitive menus
- Protocols : Telnet, snmp, ftp, syslog
- Alarm Relay : NO/NC

Power Supply

- 2 slots for redundant and swappable supply modules
- AC module : 110-230 Vac, 50-60 Hz
- DC module : 48 Vdc, 36 -72Vdc
- DC module : 24 Vdc, 18 -36Vdc
- Power Consumption : 11W, 15W maxi

Environmental specifications

- Format : 19", 1U - BNC panel : 19", 2U
- Operating temperature :-10 to +55 °C / 14 to 130 °F - Storage temperature : -20 to +70 °C / -4 to 160 °F
- Hygrometry : 10 to 90 % non condensing
- Safety : EN-60950
- EMC : EN-55022 , EN-55024, FCC part 15
- MTBF > 100,000 hours (HDBK 217)



PRODUCT REFERENCES

MX-E3T3-X-NNCC-[PW]

X: WAN Interface : **CP** : copper—standard E3/T3, 75ohms, 2 BNC

NN : E1/T1 port number : **16** 16E1 120ohms RJ45 1U chassis

[PW] **AC** Fixed AC power supply
 DC48 or DC24 Fixed DC 48v or 24v power supply
 — Modular power supply, maximum 2

MX-E3T3-AC : AC power supply module, 110 – 230 Vac input
MX-E3T3-DC48 : DC power supply module, 48 Vdc (36-72 Vdc) input,
MX-E3T3-DC24 : DC power supply module, 24 Vdc (18-36 Vdc) input,



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