

XM 4E1-TTX

Features

- Support 1 to 4 E1 G703.
- Ethernet 10/ 100 BaseT.
- Support Tx (Transmit)/ Rx (Receiver) auto reverse function.
- Clock from E1, internal, external.
- Alarm Relay out put.
- Management in consol port or Ethernet or in band management.
- Telnet, SNMP.
- Support VLAN packet transparent:
 - Up to 1700 bytes for optional MAC learning is included.
 - Up to 2000 bytes for optional MAC learning is NOT included.

ETHERNET BRIDGING OVER 4E1

The **XM-4E1-TTX** IP Inverse Mux provides connectivity from 10/100 BaseT LAN to E1 WAN through multiple E1, up to 4 E1 links. **XM-4E1-TTX** also provides bridging function from Ethernet to E1 links. This unit can meet customers' request more than 2Mbps network bandwidth.

XM-4E1-TTX offers automatic E1 channel failure detection and re-assign the number of E1 channels for transport of Ethernet traffic.

For example, if there are 4-E1 configured for 10/100 Ethernet traffic transport, and one E1 fails during the service, **XM-4E1-TTX** can ask other three E1s for transportation.

Otherwise, some IP packets will be lost.

XM-4E1-TTX support DB9S console port, which allows users to execute in-service diagnostics and fault isolation from a local or remote terminal. **XM-4E1-TTX** also allowed remote site to telnet via Ethernet port. The **XM-4E1-TTX** series also provides multicolor LED indicators on the front panel and ACO (Alarm Cut-Off) button.

The **XM-4E1-TTX** could be use face to face with another **XM-4E1-TTX** multiplexer.



PRODUCT SPECIFICATION

Line Interface:

Line Rate	2.048 Mbps ± 50 ppm
Connector	BNC (75 ohm), RJ48C (120 ohm)
Output signal	ITU G.703
Line Code	AMI/ HDB3
Electric	75 ohm/ 120 ohm twisted pair
Input Signal	ITU G.703
Jitter	ITU G.823

Diagnostics Test:

Loopbacks	Line Loopback, Payload Loopback, and Local Loopback
Remote Loopbacfks	Line Loopback, and Payload Loopback

Performance Monitor:

Performance Store	Last 24 hours performance in 15-minute intervals and last 7 days in 24-hour summary line, user, and remote site
Performance Reports	Date & Time, Errored Second, Unavailable Second, Bursty Errored Second, Severe Errored Second, Controlled Slip Second, and Loss of Frame Count
Monitor Registers	Line, User, and Remote Site
Alarm History	Date & Time, Alarm Type (i.e. Master Clock Loss, RAI, AIS, LOS, BPV, ES, CSS)
Alarm Queue	Maximum 40 alarm records which record the latest alarm type, location, and date & time
Alarm Threshold	Bursty seconds, severely errored second,degrade minutes

Ethernet:

Connector	RJ45
Protocol	Telnet and embedded SNMP

Physical:

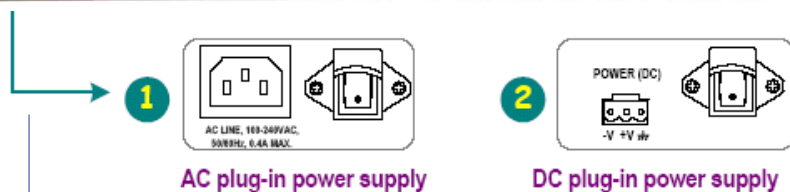
Dimensions	432 x 44 x 255 cm (WxHxD)
Power	One or two redundand power module: XM-MOD-AC 100-240Vac, 50/60 Hz XM-MOD-DC48 -48Vdc, 30 Watts
Temperature	0 -50 °C
Humidity	0-95% RH (NON-CONDENSING)
Mounting	Desk-top stackable, wall mount



FRONT PANEL



REAR PANEL



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