

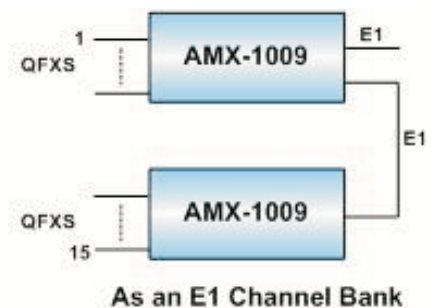
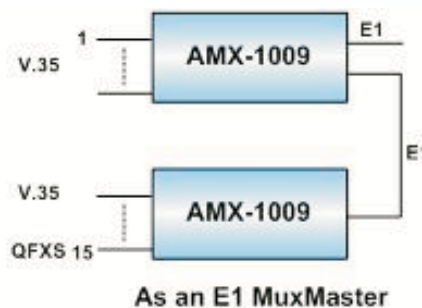
AMX-1009

MuxMaster/Wideband IAD, CSU/DSU, E1/T1 Converter & DACS

Features

- ✓ 9 hot plug-in capable slots
- ✓ Available plug-in types :
 - T1/E1 interface card
 - V.35/ EIA530/ RS232/ X.21 interface card
 - QFXS/ QFXO interface card
 - MDSL interface card
 - T1/ E1 ATM Frame Relay
 - Router card also for Subnet management (SNMC)
 - SNMP module
- ✓ Usable as a CSU/DSU, E1 to T1 converter, multiple CSUs, or a DACS.
- ✓ Full TSI capability among all slots in main unit.
- ✓ Remote diagnostic capabilities.
- ✓ 2-line by 40-character LCD display for maintenance, performance monitoring, and administration.
- ✓ Management through Console port, Ethernet port, and SNMP agents.
- ✓ Inband Subnet Management facility for remote management through national networks.
- ✓ LED indicators for power, test, alarm, and each of 9 ports.
- ✓ Field changeable AC power supply, or dual feed dual DC power supply.

Applications



Description

The AMX-1009 is a versatile 9-port device. Depending on the plug-in cards selected, this unit can be configured (a) as a CSU/DSU with drop and insert and voice capabilities, (b) as a 4 E1 to 5 T1 converter or fractions of them, (c) as a digital cross-connect system (DACS), (d) as sets of ICSU combined in one box, and (e) as a channel bank. As a CSU/DSU, data from the V.35 or X.21 port can occupy any fraction of an E1 or T1 port. As an E1 to T1 converter, A to law and signaling conversions are correctly handled. For both E1 and T1 ports, continuous error checking, performance polling, and in-service diagnostics are provided. In any of the above combinations, full time slot interchange (TSI) among the ports are possible, making the AMX-1009 a small DACS (digital access cross-connect system). The ports can further be used in pairs as ICSUs (intelligent CSU) at lower cost and smaller space than individual ICSUs. Lastly, the AMX-1009 can be configured as a channel bank.

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MuxMaster/Wideband IAD, CSU/DSU, E1/T1 Converter & DACS

Product Specification

Available plug-in cards:

T1 interface card
E1 interface card
EIA530 interface card
V.35/DB25 interface card (n x 64)
X.21 interface card (n x 64)
RS232 interface card
Quad FXS voice card
Quad FXO voice card
Multi-rate DSL
T1 Frame Relay to ATM inter-working or Frame Relay to Frame Relay concentration
E1 Frame Relay to ATM inter-working or Frame Relay to Frame Relay concentration
Dual LAN port (10 & 10/100 BaseT) Router card, also for Subnet management (SNMC)
SNMP module

Time Slot Interchange

Less than 400 ms delay
One active map, one user stored map

Voice Channel Conversion

A-law to -law G.711
CAS Signaling Transparent, (A=0 from E1 becomes A=0 to T1, etc.)

Electrical Power

Field changeable 30W 24Vdc or 30W 48Vdc power supply module
DC : 24Vdc, 3A Max.; 48Vdc, 1.6A Max.
AC : 90 to 240 Vac, 50/60 Hz, 2A Max.

Physical

Dimensions 43 x 4.4 x 33 cm, 17" x 1.75" x 13"
(WxHxD)
Temperature Range 0 – 50 °C
Humidity 0 – 95% RH (non-condensing)

Mounting Desk-top stackable, 19/23 inch rack mountable
Weight 7.7 lb., (3.5Kg) without plug-in cards

Performance Monitor

Performance Store The last 24 hours performance in 15-minute intervals
Monitor Registers Line, user
Performance Reports Date & Time, Errored Second, Degraded Minutes, Unavailable Second, Bursty Errored Second, Severe Errored Second, Controlled Slip Second, and Loss of Frame Count
Alarm History Date & Time, Alarm Type (i.e. Master Clock Loss, RAI, AIS, LOS, BPV, ES, CS)
Threshold Bursty Seconds, Severely Errored Second, Degrade Minutes

Network Management

Connector DB9 at front panel
Electrical RS232 interface
Protocol Menu driven VT-100 terminal

Ethernet Port (optional)

Connector RJ45 in rear
Protocol Telnet and Embedded SNMP

Front Panel

Keypads 5 keys, ACO (alarm cut-off), left and right arrows, ESC, and ENTER
LCD 2 lines by 40 characters LCD display
LED 12 - one for each of 9 plug-in slots, power, test, and alarm
Bantam Jacks Network IN, OUT, and Monitor

Rear Panel

Power module slot, Ethernet slot, and 9 signal slots.

Compliance

CISPR 22 Class A, EN55022 Class A, EN50081, EN50082, FCC Part 15, FCC Part 68, CS-03 Issue 8, CE168X, NTR4, UL1950, CSA22.2 No.950, EN60950, NEBS Level 3: GR-1089-CORE, GR-63-CORE

