

MTX200™

BRI - PRI AUTOMATIC ACCESS SWITCHING



Automatic access switching

Up to 72 lines managed by remote

Essential part of a monitoring system

Together with TGA1012 and BGF1001 forms a complete and powerful troubleshooting system

Multi environment device

Match with any kind of interface up to 2Mbit

OVERVIEW

The Aethra® MTX200 is a matrix for test access switching toward analysis devices. The MTX200 supports up to 12 lines per each device which may be automatically switched to the output port by the use of a management software which comes with the matrix and allows remote control via RS485.

MTX200 may be used as stand alone device or may cascaded with other MTX200, for a maximum of six devices, addressed through a rotary switch placed on the back side of the device.

A specific configuration & control firmware have been developed in order to take in care every switching aspect, with “break before make” engine for safety operations.

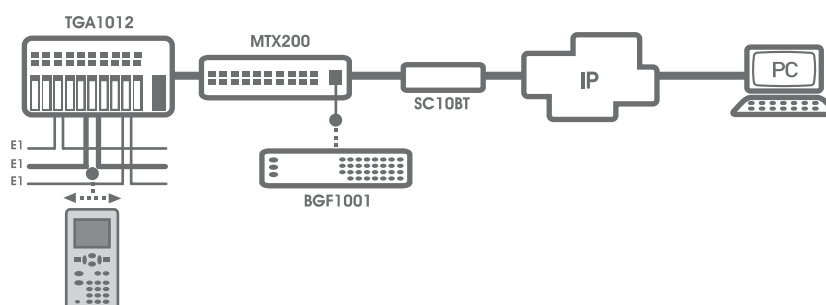
In conjunction with Aethra®’s TGA1012 PRI monitoring device and BGF1001 plug & play analyzer, the system allows exhaustive monitoring analysis for troubleshooting and maintenance purposes.

Aimed to carriers, call center, ISPs, public offices and those who need to monitor constantly their lines, the MTX200 is the right device for those who want to control a considerable number of accesses optimizing their time.

FEATURES AT A GLANCE

- Twelve-to-one switching matrix
- Modular system, up to 72 accesses under constant monitoring
- Monitoring and Breakout operating modes
- Technician's time optimization and money saving
- Optional remote management by PC
- Optional Ethernet remote control
- Exhaustive tests over the problematic access by using an external device like D2000^{PRO}

OPERATING MODES



TELECOM INTERFACES

- Primary Rate Access E1 ITU-T (CCITT) Rec.I.431, G.704
ETS 300 011
- Basic Rate Access* Rec.I.430, ETS 300012

* With appropriate cables

SWITCH PARAMETERS FOR EACH PORT

- Background noise @ 2MHz < 110 dBm
- Crosstalk @ 40KHz < 85 dBm
192KHz < 75 dBm
2MHz < 72 dBm
- Insertion loss @ 2MHz < 0,2 dBm

CONNECTORS

- Access interface 12 x RJ45 (ISO 8877)
- Input auxiliary port 1 x RJ45 (ISO 8877)
- Output measuring point 1 x RJ45 (ISO 8877)
- Remote control port RJ9, RS485

ENVIRONMENTAL CHARACTERISTICS

- Dimension 2U 19" standard rack
- Weight ≈1,5 kg
- Dimensions (mm) 171 (w) x 281 (l) x 56 (d)
- Power
External AC/DC adapter 230Vac ±10% @ 50/60 Hz

TEMPERATURE

- Storage/Transport - 25°C to +55°C
- Operating, nominal - 0°C to +45°C
- Operating, limits - 5°C to +50°C
- Humidity, non-condensing ≤ 93% RH @ 40°C
≤ 70% RH @ 50°C

REFERENCE REGULATION

- EMC aspects CEI EN 55022, CEI EN 55022
CEI EN 50082-1
- User's Safety Aspects CEI EN 60950
- CE Marking Class B (residential devices)

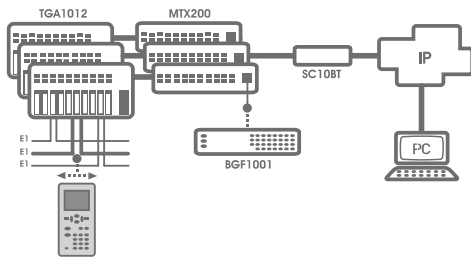
MISCELLANEOUS

- Module mode Through mode, Break to NT,
Break to TE
- LED Test Green = Monitoring in progress
Red = Simulation in progress

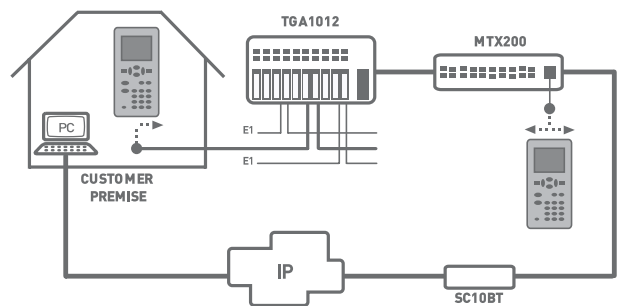
OPTIONS

- BGF1001 Plug & Play system for quick monitoring of E1 and G.704
- TGA108 for Windows™ Software for remote management
- TGA1012 Rack system for continuous monitoring of E1 and G.704
- SC10BT-2K External adapter to control the system through 10/100BT LAN port

OPERATING MODES



END-TO-END TESTING



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