

# SAGEMCOM

## FMX

### TDM MULTIPLEXER AND CROSS-CONNECT, MULTISERVICE ACCESS PLATFORM

- Multiplexing, drop/insert and cross-connect functions
  - Wide range of analog and digital interfaces
    - Modularity
  - LL, IP, PSTN, ISDN services
    - High reliability
- Network terminals units for remote locations
  - Cost-effective solution



The different functions of **FMX** :

- Terminal multiplexer
- Add-drop multiplexer
- Cross-connect

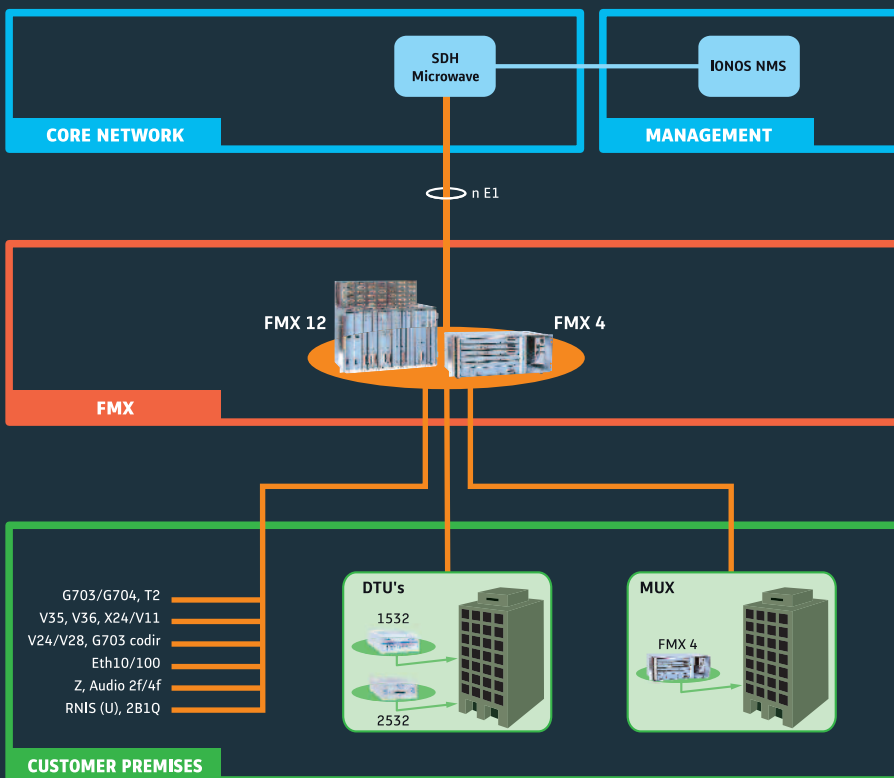
associated with its wide range of interfaces :

- Analog interfaces
- Low and high bit rate digital interfaces
- Ethernet
- POTS, ISDN (BRI, PRI)

insure FMX operating in any network topology : meshed, star or tree-shaped, linear.

With many peripheral units, **FMX** enables the network operator to deliver all services directly to the end user : digital and analog leased line services, PSTN and ISDN services.

Moreover, drop/insert and branching functions (possibly associated with VF or digital bridging) provide cost-effective solution for utilities linear networks.



## SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

#### FMX interfaces

- E&M 2-wire/4-wire, G.703/G.704, V.24/V.28 (RS232), V.24/V.11 (RS422), RS485, X.24/V.11, V.35, 64 kbps codirectional (G.703), ISDN U BRI, ISDN E1 PRI, FXS/FXO, Eth10/100 BaseT, 2B1Q

#### NTUs interfaces

- V.24/V.11, X.24/V.11, V.35, V.24/V.28, T2, G.703/G.704, 2B1Q

#### Main features

- Multiplexing, cross-connecting, drop/insert
- Voice compression
- Voice and data bridging
- Non-blocking switching matrix (26 x 2 Mbps)

### MECHANICAL SPECIFICATIONS

- FMX 12 (12 interface cards) : 9U shelf with front connection, redundancy of 48V converters and cross-connect matrix
- FMX 4 (4 interface cards) : 4U shelf with rear connection, 48V or 110V/230V power supply

### MANAGEMENT

- Via IONOS NMS manager (SNMP)

### PERIPHERAL UNITS



#### NTU 1532

- Connection of remote low bit rate interfaces



#### NTU 2532

- Connection of remote high bit rate interfaces

All rights reserved. The information and specifications included are subject to change without prior notice. Sagemcom Energy & Telecom tries to ensure that all information in this document is correct, but does not accept liability for error or omission. Non contractual document. All trademarks are registered by their respective owners. Simplified joint stock company - Capital 44.824.840 Euros - 518 250 337 RCS Nanterre . 09/2011

Sagemcom Energy & Telecom SAS

Headquarters : 250, route de l'Empereur  
92848 Rueil-Malmaison Cedex - FRANCE

Tel : +33 (0)1 57 61 10 00 - Fax : +33 (0)1 57 61 10 01

[www.sagemcom.com](http://www.sagemcom.com)

**SAGEMCOM**