

# **SAGEM ADR 2500 eXtra**

**Multi-Service NG SDH platform**



- **Secure transport over SDH**
- **Flexible, scalable and fully protected platform**
- **Innovative data interfaces with advanced Ethernet Switch features**
- **Compact and cost effective solution**



**SAGEM**  
**Technology in Action**



# SAGEM ADR 2500 eXtra

## Multi-Service NG SDH platform

### SAGEM ADR 2500 eXtra IS A NEW GENERATION PLATFORM

SAGEM ADR 2500 eXtra has been designed by SAGEM to provide its customers a flexible platform for the Metro Access and Metro Core Networks. ADR 2500 eXtra offers a large variety of interfaces, from E1 and E3/DS3, to the Ethernet accesses (Fast Ethernet and Gigabit Ethernet), enabling provision of all kind of services to the end customer.

Thanks to its flexibility, SAGEM ADR 2500 eXtra can also address different networks such as operators infrastructure networks and utilities networks.

SAGEM ADR 2500 eXtra allows all SDH protections required for guaranteed quality of service (with SNCP, MSP and MS-SPRing), cards protection and tributaries protection, and offers flexibility for configuration. Its compact size makes it easy to install in all environments.

SAGEM ADR 2500 eXtra features highly innovative Ethernet cards, GigE for point to point application, and GFP150 card that integrates all the features from an Ethernet Switch and makes possible complete Ethernet solutions together with SAGEM ADR 155C equipped with GFP150 Ethernet card (multi point to multi point networks). It implements GFP, LCAS, VCAT, VLAN, MPLS, brings to Ethernet traffic all the benefits of SDH protection mechanisms (switching in less than 50 ms) and compatibility with existing networks.



Transmission can be made at STM-4 or STM-16 capacity and the upgrade from one capacity to another one in case of expansion of the traffic is performed with no traffic interruption. Upgradability to STM-64 is also possible.

Network management is made by SAGEM IONOS NMS management solution (scalable solution for SAGEM equipment with client / server architecture), using SNMP and HTTP, and makes network configuration easy with end to end trails provisioning. IONOS-NMS also manages SAGEM ADR 155C, ADR 2500C, SAGEM FMX, SAGEM LINK and DCN SHDSL.

### TECHNICAL FEATURES

#### AGGREGATE SIGNALS

- STM-4, STM-16 G.957

#### TRIBUTARY SIGNALS

- TDM :
  - E1, E3/DS3 G.703 - STM-1 G.703 - G.957 - STM 4/4c - STM-16/16c G.957
- LAN :
  - Ethernet 100 baseT, Ethernet 1000 SX, LX, ZX

#### MECHANICAL SPECIFICATIONS

- ETS 300 119-3 and 4

#### POWER SUPPLY

- -48 VDC (-36 V to -72V)

#### DIMENSIONS

- 19" subrack: 14U, 300x450x620 / DxWxH

#### CONSUMPTION

- 400 W

#### ENVIRONMENT

- Temperature range : +5° to +45°C

#### AUXILIARY SIGNALS

- TMN interface :
  - Ethernet RJ 45
- F interface :
  - Ethernet RJ 45
- Digital orderwire channels :
  - V.11

	Type	Wavelength	Guaranteed attenuation (dB)	Range (km)
Optical signals	L-16.1	1300 nm	0 - 24	0 - 58
	L-16.2	1550 nm	10 - 24	35 - 80
	L-16.2+	1550 nm	13 - 27	50 - 100
	U-16.2	1550 nm	25 - 39	100 - 155
	S-4.1	1300 nm	0 - 12	0 - 28
	L-4.1	1300 nm	10 - 24	22 - 58
	L-4.2	1550 nm	10 - 24	35 - 92
	S-1.1	1300 nm	0 - 12	0 - 28
	L-1.1	1300 nm	10 - 28	22 - 68

Guaranteed attenuation G.957 recommendation of the ITU-T applicable between Tx and Rx interfaces for a BER =10<sub>10</sub>

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