

# **SAGEM** **ADR 2500C**

**Multiservice Compact  
STM-16 SDH Multiplexer**



- Secure transport over SDH of:
  - Traditional traffic (TDM)
  - Data traffic
- Flexible configuration
- High-performance SNMP management
- Compact and cost effective solution
- Ready for DWDM with colored interfaces



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



# SAGEM ADR 2500C

## Multiservice Compact STM-16 SDH-16 Multiplexer

- SAGEM ADR2500C has been designed by SAGEM in the continuity of SAGEM ADR 155C: **to provide a very compact and flexible equipment to its customers now at STM-16 level.** With this equipment, SAGEM offers an homogeneous solution for both backbone and optical access networks.
- Utilizing the inherent **advantages of SDH technology** as implemented in the majority of modern transmission networks, SAGEM ADR 2500C can be used as:
  - terminal multiplexer
  - add-drop multiplexer
  - repeater
  - cross-connect
- SAGEM ADR 2500C addresses the following applications:
  - backbone networks
  - regional networks
  - business customer networks
  - optical access networks
  - utilities networks
- SAGEM ADR 2500C allows all SDH protections required for **guaranteed quality of service** (with SNCP, MSP and MS-SPRing plus card protections) and flexibility for configuration (with unallocated slots for tributaries). **Its compact size makes it easy to install in all environments.**
- SAGEM ADR 2500C offers **traditional SDH interfaces** (STM-1 electrical and optical, STM-4 optical and STM-16 optical) and **exceptional high-quality optical data transport** with STM-4 and TM-16 concatenation and Gigabit Ethernet transport (configurable from 1 to 7 VC4).
- SAGEM ADR 2500C can be managed using SNMP making it all the easier to integrate it into existing networks, for which the management platforms are invariably run using this protocol. Network management is made by SAGEM IONOS NMS management solution.
- SAGEM ADR 2500C is a **new generation SDH multiplexer** with a central role in the implementation of services accompanying the emergence of the Internet in the world of telecommunications.

### TECHNICAL FEATURE

#### Aggregate signals

- STM- G.957

#### Tributary signals

- TDM: STM-1 G.703 - G.957 - STM 4/4c- STM-16/16c G.957
- LAN: Ethernet 1000 baseSX

#### Mechanical specifications

- ETS 300 119-3 and 4

#### Power supply

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

#### Dimensions

- 19" subrack: 6U,  
300 x450x270 /DxWxH

#### Consumption

- 160 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

Optical signals	Type	Wavelength	Guaranteed attenuation (dB)	Range (km)
	L16 -1	1300 nm	0 - 24	0 - 58
	L16 - 2+	1550 nm	13 - 27	50 - 100
	S,4 -1	1300 nm	0 - 12	0 - 28
	L,4 -1	1300 nm	0 - 24	0 - 58
	S,1 -1	1300 nm	0 - 12	0 - 28
	L,1 -1	1300 nm	0 - 24	0 - 58

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

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