

# **SAGEM ADR 155C**

**Multiservice compact  
STM 1/STM 4 SDH multiplexer**



- **Secure transport over SDH of:**
  - Traditional traffic (TDM)
  - LAN traffic
- **Flexible configuration**
- **High-performance SNMP management**
- **Compact and cost-effective solution**



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



# SAGEM ADR 155C

## The multiservice compact SDH multiplexer

• Developed for SDH access networks, SAGEM ADR 155C draws on the know-how acquired by SAGEM with its ADR product range, offering in one and the same compact unit flexibility, guaranteed quality of service and an economical solution for the local loop.

SAGEM ADR 155C can be used in different configurations:

- terminal multiplexer
  - add-drop multiplexer
  - repeater
  - cross-connect
- Comprising a motherboard for the main functions and 4 general-purpose slots for tributary and multiplex processing, SAGEM ADR 155C is a model of flexibility, both in terms of its implementation and in terms of the traffic transported: vital elements in an access network.
- This means that it can be fitted not only with traditional boards (E1, E3/DS3, STM 1, STM 4) but also with LAN access boards (10 and 100 Ethernet, V.11) for transporting data streams (IP, ATM, etc.) via SDH infrastructures – this being a major innovation for next generation network.
- Covering all the bandwidths from 2 Mbps to 622 Mbps, the SAGEM ADR 155C is perfectly suited to most contemporary applications with their ever-increasing bandwidth requirements. What's more, it offers exceptionally high quality optical data transport, thanks to its real-time traffic protection mechanisms. Its compact size (30 x 45 x 9/D x W x H) makes it easy to install in the typically confined local loop environment.
- SAGEM ADR 155C can be managed using SNMP making it all the easier to integrate into existing networks, for which the management platforms are invariably run using this protocol. It's taken into account by SAGEM - IONOS NMS manager.
- SAGEM ADR 155C 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 telecommunication.
- SAGEM ADR 155C can be upgraded from STM 1 to STM 4. There is no service discontinuity for the user applications.

### Technical characteristics

#### Aggregate signals

- STM-1 G.957
- STM-4 G.957

#### Tributary signals

- TDM: E1, E3/DS3 - STM-1 G.703 - G.957
- LAN: Ethernet 10/100  
Available bandwidth for LAN Traffic: up to 100 Mbit/s between each station.

#### Mechanical specifications

- ETS 300 119-3 and 4

#### Power supply

- -48 VDC (-36 V to -72V), +220/110 VAC

#### Dimensions

- 19" subrack: 2U x 300 mm (H x D)

#### Consumption

- 40 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

Guaranteed attenuation Recommendation G.957 of the ITU-T applicable between Tx and Rx interfaces for a BER =10 <sup>-10</sup>	Type	Wavelength	Guaranteed attenuation (dB)	Range km
<b>Optical signals</b>	S-1.1	1300 nm	0 - 12	0 - 28
	L-1.1	1300 nm	10 - 28	22 - 65
	IC-1.2	1550 nm	0 - 28	0 - 100
	S-4.1	1300 nm	0 - 12	0 - 28
	L-4.1	1300 nm	10 - 24	22 - 58

SAGEM SA may, at any time and without notice, make changes or improvements to the products and services offered and/or cease producing or commercialising them. The SAGEM logo and trademark are the property of SAGEM SA. 07/2003

**SAGEM SA** Networks Division

Phone +33 1 53 23 29 36 Fax +33 1 53 23 18 68  
www.sagem.com

Head office: Le Ponant de Paris - 27, rue Leblanc 75512 PARIS CEDEX 15 - FRANCE  
SAGEM SA - Société anonyme à directoire et conseil de surveillance au capital de 33 300 000 € - 562 082 909 RCS PARIS

