

SAGEMCOM

ADR 2500eXtra MULTI-SERVICE NG SDH PLATFORM

- STM-16 Add-Drop Multiplexer
- Flexible, scalable and protected platform
- Transport of Ethernet over SDH (E.O.S) with advanced Layer 2 Features
- Compact and easy to use solution



SAGEMCOM HAS DESIGNED ADR 2500 eXtra 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, E3/DS3 TO ETHERNET, FAST ETHERNET AND GIGABIT ETHERNET, ENABLING PROVISION OF ALL KIND OF SERVICES FOR THE END CUSTOMER.

Thanks to its flexibility, ADR 2500 eXtra is an Add-Drop Multiplexer (A.D.M.) that also can address different networks such as infrastructure networks or utilities networks.

ADR 2500 eXtra allows all protections required in order to guarantee the quality of service (transmission protection with SNCP, MSP, MS-SPRing, but also common units protection and tributary protection). Designed for STM-16 networks, ADR 2500 eXtra can also be used as multi STM-1 or STM-4 equipment or local cross-connect thanks to a fully nonblocking switch matrix.

ADR 2500 eXtra has been deployed worldwide with more than 10.000 units over 5 years. ADR 2500 eXtra is part of Sagemcom SDH family which also includes ADR 155c, STM-1 A.D.M., ADR 622, STM-1 / STM-4 A.D.M. and ADR 10000, STM-16 / STM-64 A.D.M. This range is managed by IONOS-NMS, our network Management System which also manages Primary Multiplexers, PDH and SDH Microwaves, DWDM... This family is sold worldwide by Sagemcom either as stand alone equipment or part of turnkey networks. Sagemcom capability to offer a complete transmission equipment together with optical fiber, civil works, buildings give added value to its customers.



TECHNICAL FEATURES

AGGREGATE SIGNALS

- STM-1, STM-4, STM-16 G.957
- S-1.1, L-1.1, L1.2 opticals SFPs
- Single Fiber optical SFPs
- S-4.1, L-4.1, L-4.2, L-4.2++ optical SFPs
- S-16.1, L-16.1, L16.2, L-16.2++ optical SFPs
- External optical booster for long haul networks (U-4.2, U-16.2)

TRIBUTARY SIGNALS

- E1, E3, DS3 G.703
- E1 120 ohms and 75 ohms cards
- Front access and Line termination Units
- Ethernet, Fast Ethernet 10/100 Base T
- Gigabit Ethernet 1000 base T, SX, LX and ZX

MECHANICAL SPECIFICATIONS

- ETS 300 119-3 and 4

POWER SUPPLY

- -48 V DC (-36 v to -72 v)

DIMENSIONS

- 14U, 19" and ETSI subracks

CONSUMPTION

- 300 W max, 200 W typical

ENVIRONMENT

- ETSI range +5°C to +45°C
- ETSI extended range -5°C to +55°C

AUXILIARY SIGNALS

- RJ45 Ethernet interface for F and TNM
- E1 and F1 RJ45 interfaces for EOW

MATRIX

- 64VC4 non blocking cross-connect at VC12, VC3 and VC4 level
- 32VC4 non blocking cross-connect at VC12, VC3 and VC4 level

PROTECTIONS

- Line Protection, MS-SPRing with NUT, SNCP and MSP G.783
- Card protection (E1, E3/DS3, Matrix, Power supply)

ETHERNET FEATURES

- GFP150 and GFP2500 cards offer Ethernet Switch : GFP, VCAT and LCAS protocols, VLAN, STP and MSTP protocols
- Customer VLAN support. and gigabit ethernet transport, it support features like Jumbo frames, link down retransmit

OPERATION

- Embedded HTTP server (Internet Explorer and Mozilla firefox)
- Native SNMP

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. 01/2013

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

SAGEMCOM