

# SAGEMCOM

## ADR622

### **MULTI-SERVICE NG SDH PLATFORM**

- STM-1 / STM-4 Add- Drop Multiplexer
- Secured, Flexible, scalable and fully protected platform
- Transport of Ethernet over SDH (E.O.S) with advanced Ethernet switch Features
- Compact and easy to use solution.



# SAGEMCOM INTRODUCES ADR622, STM-1 AND STM-4 MULTI-SERVICE PLATFORM WHICH OFFERS A LARGE VARIETY OF INTERFACES, FROM E1, E3/DS3 TO ETHERNET, FAST ETHERNET AND GIGABIT ETHERNET.

ADR622 addresses backhauling networks, utilities networks and SDH microwaves networks.

ADR622 is a fully protected equipment designed to meet all EMC recommendation from utilities network that will need more isolation, magnetic, disturbance protection than telecommunications carriers. Together with FMX and IONOS NMS, it offers Utilities customers a fully integrated solution for all their transmission requirements, from interfaces below 64kbps up to Gigabit Ethernet.

ADR622 is a flexible and scaleable non blocking cross-connect for microwave networks, providing STM-1 interfaces every nodes. It will also be fully integrated into Sagemcom solution and managed under the same Network Management system.

ADR622 is a flexible solution for for 3G, Wimax, DLC and DSL backhauling with its compactness allowing to fit into a street cabinet and in service upgradeability from STM-1 to STM-4.

ADR622 is part of Sagemcom SDH family which also includes ADR155c, STM-1 A.D.M., ADR2500 eXtra, STM-4 / STM-16 A.D.M. and ADR10000, STM-16 / STM-64 A.D.M. This range, fully managed by IONOS NMS, is sold worldwide either as stand alone equipment or as part of turnkey networks. Sagemcom' capability to offer a complete transmission equipment together with optical fiber, civil works, buildings gives added value to its customers.



## TECHNICAL FEATURES

### AGGREGATE SIGNALS

- STM-1, STM-4 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 optical SFPs
- External optical booster for long haul networks

### 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

- 6U, 19" and ETSI subracks

### CONSUMPTION

- 160 W max, 100 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

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

### PROTECTIONS

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

### ETHERNET FEATURES

- GFP150 and GFP2500 cards offer Layer 2 Ethernet Switch : GFP, VCAT and LCAS protocols, STP and MSTP protocols
- Customer VLAN and Provider VLAN support

### OPERATION

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

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