

SAE Chassis



Features

Telnet-RI offers a broad family of **SAE chassis** adapted to any scenario and implementation. From projects that require installation on desktop or tray, to multichassis configurations in EIA or ETSI 19" cabinets.

With the SAE family of chassis it is covered any need of design and scalability. From desktop applications based on MicroSAE, where only one traffic module is required, to multichassis configurations with MiniSAE and MetroSAE, supporting the chain of up to 16 chassis, and operating in a unified way. Intermediate applications available for the chassis TriSAE in which it is possible to install 3 modules.

Power System

Except MicroSAE all chassis are equipped with two power supplies (AC or DC) operating in shared load, both operating at 50%. In the event of a fall of one of them, the operational source assumes 100% of the load without interruption of service. Power supplies are modular and allow hot insertion and extraction.

Through remote management tools you can learn all the operating parameters of both sources: fan speed, voltage and load the chassis among others. Furthermore, each parameter of operation of each power supply it is possible to set default and excess thresholds, sending an alarm to the management console.

TELNET provides an ETSI version of its MiniSAE and TriSAE chassis. These chassis are compatible with the dimensions of depth, width and ventilation in this standard.

Embedded SNMP management

MicroSAE and TriSAE have an SNMP controller included in the chassis. The management agent is accessible via IP/ SNMP/ TELNET via the Ethernet port. In addition, for those modules that support in band service management, it is possible to access the SNMP controller regardless of the Ethernet connection. Furthermore, in its back, the chassis MicroSAE and TriSAE have a serial port for access to local management, through RS-232.

The management of the MiniSAE and TriSAE chassis with embedded management is compatible with the SNMP IIC standard contained in RFCs 2578, 2863, 1231 and 2579. TELNET provides the MIBs to be compiled on any SNMP platform. The teams implement comprehensive management capabilities, including SNMP traps.

SNMP+ and Traffic Aggregation

Thanks to the new SNMP+ monitoring module, in the MiniSAE chassis configurations, it is possible to add on the Gigabit Ethernet interface SNMP+ module the traffic from 12 CM-100 adapters. The module SNMP+ is supported by MiniSAE and MetroSAE chassis.

Multichassis Configurations

SNMP+ allows multichassis configurations. This simplifies the tasks of management and maintenance, while providing the scalability of xWDM design. In multichassis configurations can be present up to 16 chassis MiniSAE and MetroSAE, all ruled by a single IP address.

xWDM Support

For CWDM or DWDM applications, the MetroSAE chassis supports up to two xWDM multiplexers, and ADM optical modules.

The modularity of the chassis and the ability of multichassis configurations allow any configuration in number of lambdas, chassis and services. The solution also supports TELNET hybrid CWDM-DWDM configurations. In these solutions a CWDM multiplexing and a DWDM one work together in the same optical node. The DWDM multiplexer operate in spectrum reserved for the C and L bands, placing 8 DWDM channel per CWDM channel. These hybrid configurations facilitate migration to DWDM. This evolution protects part of the initial investment as it keeps the chassis, power supply system, management and all optical adapter modules. Only the replacement of the optics and CWDM multiplexer based on GBIC, SFP and XFP standard is required.

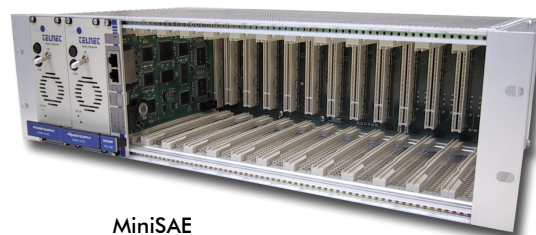
In-band WDM management

MetroSAE 5U allows, together with AO-100 adapter and a set of WDM multiplexing, configurations to manage in band remote equipments over SDH STM-16 and STM-64 channels.

Technical Specifications



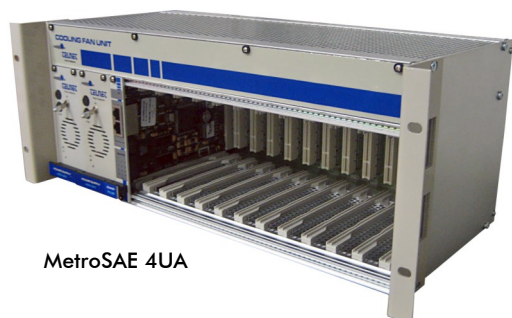
TriSAE 2UA



MiniSAE



MicroSAE



MetroSAE 4UA



MetroSAE 5UA

Tech. Specs.	MicroSAE	TriSAE 2UA	MiniSAE	MetroSAE 4UA	MetroSAE 5UA
Dimensions	149mm 44,5mm 236mm	482mm 89mm 187mm	482 mm 132 mm 190 mm	482mm 177mm 185mm	482mm 220mm 190mm
Weight*	1150gr	6 Kg	5 Kg	6Kg	7Kg
Power supply	1 PU 220V~ -48V	2 PU 220V~ -48V	2 PU 220V~ -48V	2 PU 220V~ -48V	2 PU 220V~ -48V
Consumption	25W	50W	150W 300W	300W	300W
N° modules supported	1	3	12	12	12
N° mux xWDM/OADM Supported	—	3 WDM OADM			12 WDM
SNMP Management	Yes	Yes	Yes	Yes	Yes
SNMP+ module supported	No	No	Yes	Yes	Yes

(*) Weight without modules

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