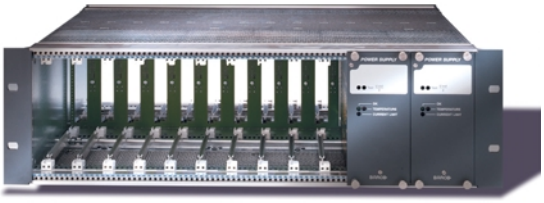
Scientific Atlanta

Galaxy -
Modular Rack System

Description

The Galaxy Sub-Rack is the foundation for achieving flexibility, high QoS and rack space savings.



The Galaxy Sub-Rack Concept is housed in a 3RU unit designed with a common power and communication interface to all inserted Scientific-Atlanta application modules.

The big number of different available application modules can be configured to suit all kinds of needs for the operators and broadcaster due to the flexible concept and the ASI interconnections.

Application modules for the Galaxy Sub-Rack physically consist of an interfacing rear-card module and the application front-card module. The rear-connector module holds the connectors but otherwise is kept as simple as possible. All the complexity is on the hot swappable front-card module.

The power supply for the Galaxy Sub-Rack Concept can be either single or dual power supply with a free choice of AC and DC. To ensure maximum service availability the switch from mains power supply to back-up is completely seamless.

All these advantages combined with the common interface for ROSA™ Control and Management and SNMP support of all inserted application modules makes the Galaxy Sub-Rack the smart and economic choice for every broadcaster.

Features

- The foundation of high QoS and space saving
- Holds up to 12 application cards of the Galaxy family in only 3RU
- Fully passive design, all active components accessible from the front
- Multiple powering possibilities with or without redundancy
- Free slot assignment for maximum flexibility
- Hot-swappable, easy accessible application cards
- Low power consumption
- Redundancy can be provided through internal application or through the ROSA management platform
- Full ROSA management of all inserted applications Cards
- Software configurable alarm relay contacts
- Full SNMP support
- Wide variety of application cards available

Galaxy Rack - Modular Rack System

Specifications

Electrical Specifications	
Relay Contact	
Connector	2 x 25-pins female Sub D
Contacts	Common, normal open & normal closed per card
Contact type	Relay
Load max.	60 VDC, 250 mA, 5 VA

Alarms
The alarms are specific for the individual modules.

Communication Port	
Connector	9-pins male Sub D
Type	RS-485
Format	RCDS
Transmission speed	Up to 19200 bit/s

Application Cards Available for the GALAXY Rack
Titan MKII Digital Satellite Receiver
Atlas MKII Digital Terrestrial Receiver
Spectra QAM Demodulator
Neon E3 / DS3 Network Adapters
Axis ATM Adapters
Indus Transport Stream Descrambler
Redus MKII ASI Redundancy Switch
Mira 4:2:0 Decoder
Hermes SNMP Bridge
(See separate data-sheets for above application cards)

Environmental Specifications	
Temperature within specs	+50°F to +104°F (10°C to 40°C)
Operating temperature	+32°F to +113°F (0°C to 45°C)
Storage temperature	-4°F to +158°F (-20°C to 70°C)
Power	
Power supply	
AC	100 to 240 VAC ±10 % 47 to 65 Hz
DC	-48 VDC ±20 %
Power consumption	Fully equipped max. 120 W (depending on the number and type of cards installed)
Types	Automatic power back-up either 2 x AC, 2 x DC or AC + DC
Connector	
AC	IEC
DC	3-pin terminal strip on Quick disconnect connector

Mechanical Specifications	
Height	3 RU / 3 RU
Width	19 in. / 483 mm
Depth	13.4 in. / 340 mm
Weight	Max. 24 lbs / 11 kg (fully equipped)

Galaxy Rack - Modular Rack System

Ordering Information

Galaxy	Part Number
Galaxy Rack with 1 x AC Power Supply	V9523100
Galaxy Rack with 2 x AC Power Supply	V9523101
Galaxy Rack with 2 x -48VDC Power Supply	V9523102
Galaxy Rack with 1 x AC + 1 x -48VDC Power Supply	V9523103
Options for Galaxy	
110/230 VAC Power Supply Module for Galaxy Rack	C9825935
Blank Panel Front, 6HP width	C9827050
Blank Panel Rear, 6HP width	C9827051
Venturi 1RU Blower Unit for Galaxy	V9521733

Europe & Asia
+32 56 445 000 or +49-6173-928-0
www.saeurope.com
North America
1-800-722-2009 or 770-236-6900
www.scientificatlanta.com

Part Number 8986506 Rev A
February 2003