

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.

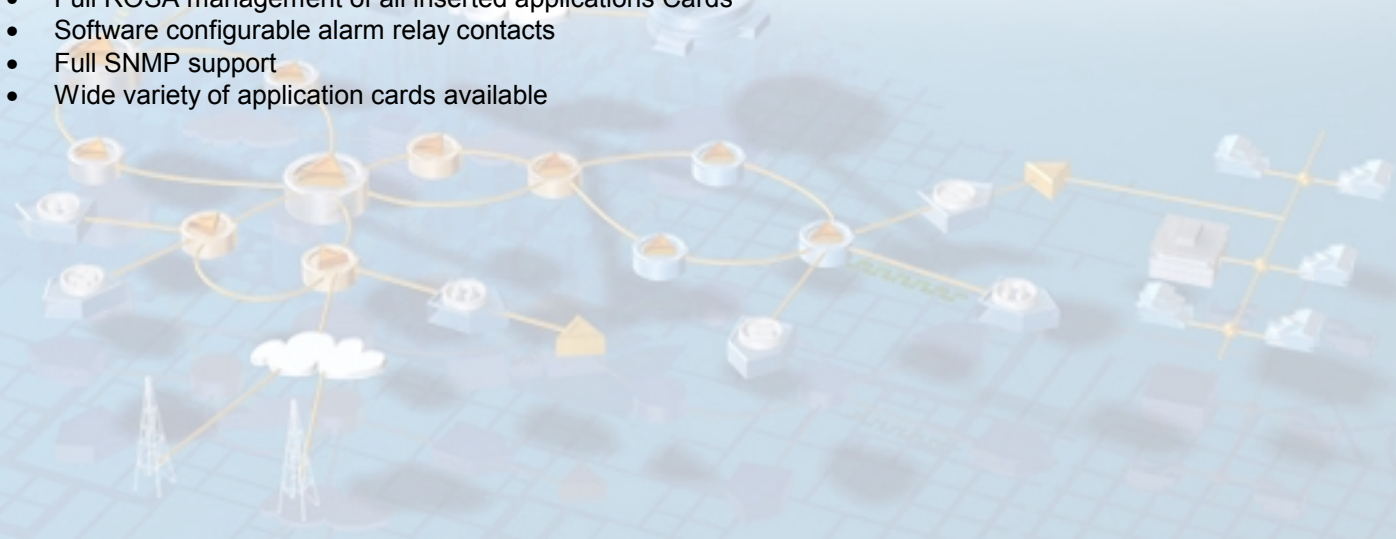
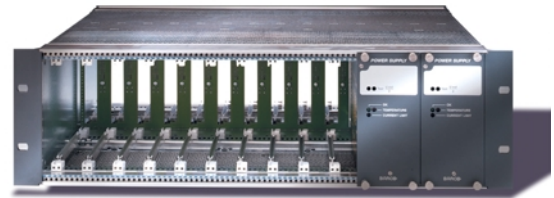
Application modules for the Galaxy Sub-Rack physically consist of an interfacing rear-card module and the application front-card module. The rear-connector module holds the connectors but otherwise is kept as simple as possible. All the complexity is on the hot swappable front-card module.

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



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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) |

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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 |



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