



StingRay RF over Fibre

100 series chassis for 100 series StingRay modules

The compact StingRay 100 Series RF over fibre indoor chassis are designed to house the StingRay 100 series range of RF over Fibre modules.


100 series chassis provide resilience with hot-swap fibre modules, power supplies and fan modules and offer local and remote control and monitoring options.

Typical applications:

- Ku-band and Ka-band ready for HTS applications
- Distribution of comms traffic across site with minimal loss
- General satcoms– teleports, video head-ends, TVRO
- Compact solution for small quantity links such as tactical HQ
- A resilient solution for satellite teleports with transition distances up to 10km

Chassis Options

 **Compact indoor** 1U & 2U high chassis options, which can be part populated

 **Resilience** from dual redundant hot-swap power supplies, hot-swap fibre modules & fans

 **Remote control & monitoring** via RJ45 Ethernet port with SNMP & web browser interface

 **LNB Powering** chassis option, 18V on TX modules only

 **Local control & monitoring** via front panel push buttons & display

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Indoor chassis showing hot-swap power supply modules , fibre modules and fans





Indoor Chassis

Technical Specifications				
Model Numbers	SRY-C100-1U	SRY-C101-1U	SRY-C102-2U	SRY-C103-1U
Capacity	Up to 16 fibre modules	Up to 12 fibre modules	Up to 32 fibre modules	Up to 12 fibre modules
Dimensions	1U x 450 mm deep x 19 " wide	1U x 450 mm deep x 19 " wide	2U x 450 mm deep x 19 " wide	1U x 450 mm deep x 19 " wide
Local Control & Monitoring	LCD & Keypad			
Remote Control & Monitoring	RJ45 Ethernet port, 10baseT/100BaseTx, ETL TCP/IP protocol, SNMP, built in web server			
Monitoring Facilities	Temperature, optical input & output power, status of amplifier stages & RF input & output power of each module is monitored			
LNB Power	N/A	N/A	N/A	18V ± 10%, 0.5 A* Up to 7 modules
PSU Redundancy	Dual Redundant, hot-swap PSUs. Diode OR			
PSU Power	100 - 240VAC, 50/60 Hz Fused 3.15V. Single IEC	100 - 240VAC, 50/60 Hz Fused 2A. Dual IEC	100 - 240VAC, 50/60 Hz Fused 4A. Dual IEC	100 - 240VAC, 50/60 Hz Fused 2A. Dual IEC
AC Power Consumption	<200W all channels	<100W all channels	<200W all channels	<200W all channels
IEC	Single	Dual	Dual	Dual
Operating temperature	0 to 50°C			
Location	Indoor use only			
Storage temperature	-20°C to +75°C			
Humidity	20 to 90% non-condensing			
Weight	7.2 kg	6.5 kg	15 kg	6.5 kg
Front Panel Colour	RAL9003 White (Semi-Matte)			

Please see individual datasheets for 100 series RF over Fibre module options and RF specifications.