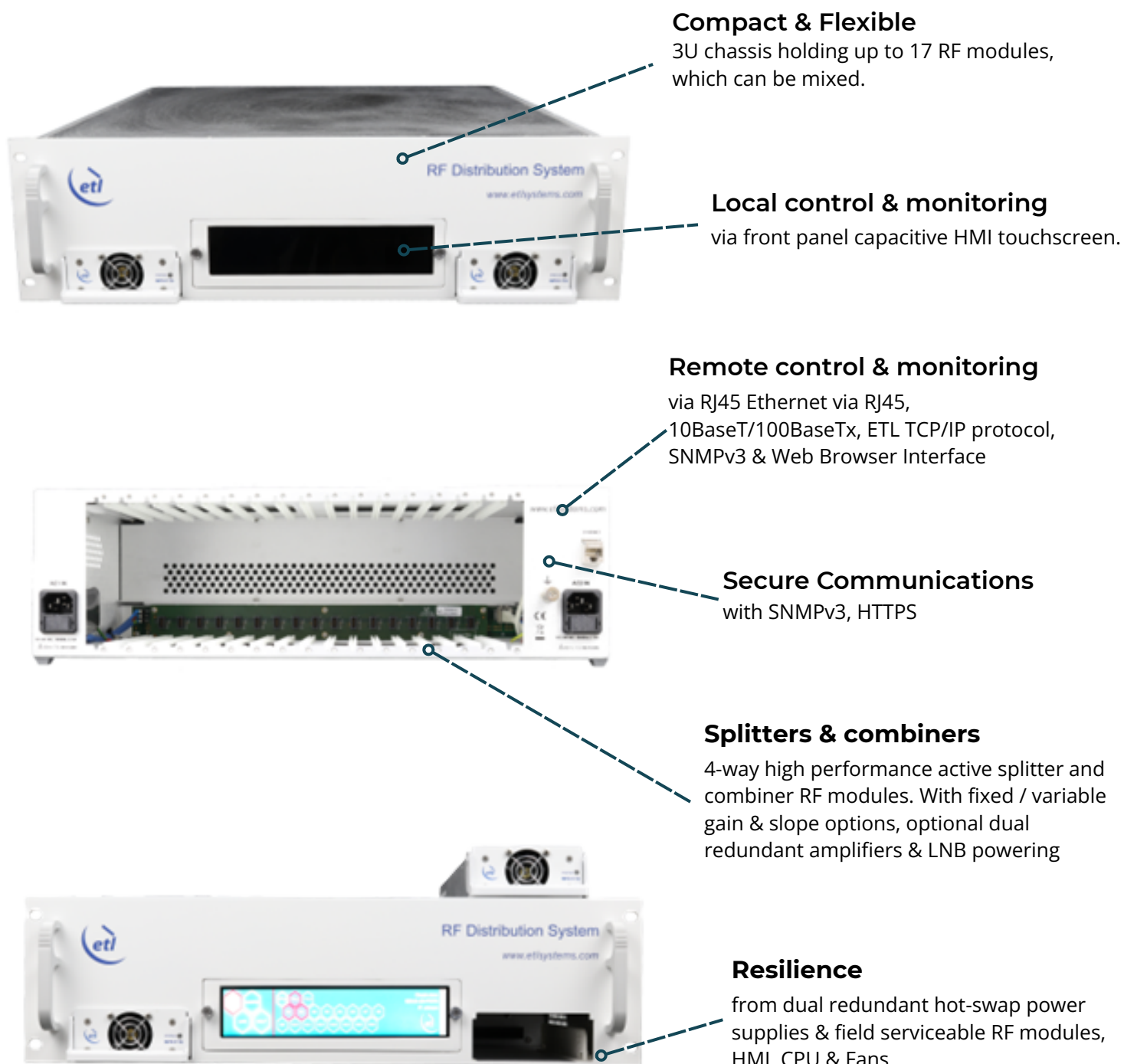


## Genus Chassis

### Flexible & resilient RF signal management

The Genus is a new generation of equipment for the ground segment to meet today's and future ground segment V/HTS requirements.

The 3U Genus chassis accommodates up to 17 RF modules. These can be inserted whilst the shelf is in service giving excellent levels of flexibility and resilience.



General Specifications		
Capacity		Up to 17 modules
Dimensions		3U high x 550mm deep x 19" wide
Weight		<10 kg
Colour		RAL9003 White (Semi-Matte)
AC Power		85-264V AC (50/60Hz)
AC Consumption		275W Max. consumption at steady state
PSU		Dual redundant & alarmed, Diode OR, Hot-swap
RF Modules		Single, field replaceable
Reliability		
MTTR		20 minutes 15 minutes to retrieve spare part and 5 mins to replace. Applies to LRUs only and assumed in house stock.
MTBF	Chassis	>250,000
	CPU	>250,000
Field serviceable components		RF modules, CPU & HMI
Hot-swap components		Dual redundant power supplies
Control & Monitoring		
Local Control		HMI, capacitive touchscreen
Remote Control & Monitoring		Ethernet via RJ45, 10BaseT/100BaseTx ETL TCP/IP protocol SNMPv3 Built-in Web Server
Environmental		
Operating temperature		0 to 45°C
Location		Indoor use only
Storage temperature		-20°C to +75°C Not Powered
Humidity		20% - 90% non-condensing Relative Humidity
Altitude	Operational	2,000m AMSL (Above Mean Sea Level)
	Storage	8,000m AMSL (Above Mean Sea Level)

RF Module Options								
Module Functionality Options	Operating Frequency	Active	Gain	Slope Compensation	LNB Powering	Dual redundant amplifiers	RF level detection	RF Power Limiting
	L-band		Variable	Variable				
4-way splitter modules	✓	✓	✓	✓	✓	✓	✓	
4-way combiner modules	✓	✓	✓	✓		✓	✓	✓

Custom RF modules may be available - If you have a requirement which isn't listed in the RF module options table please contact us.

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.  
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.