

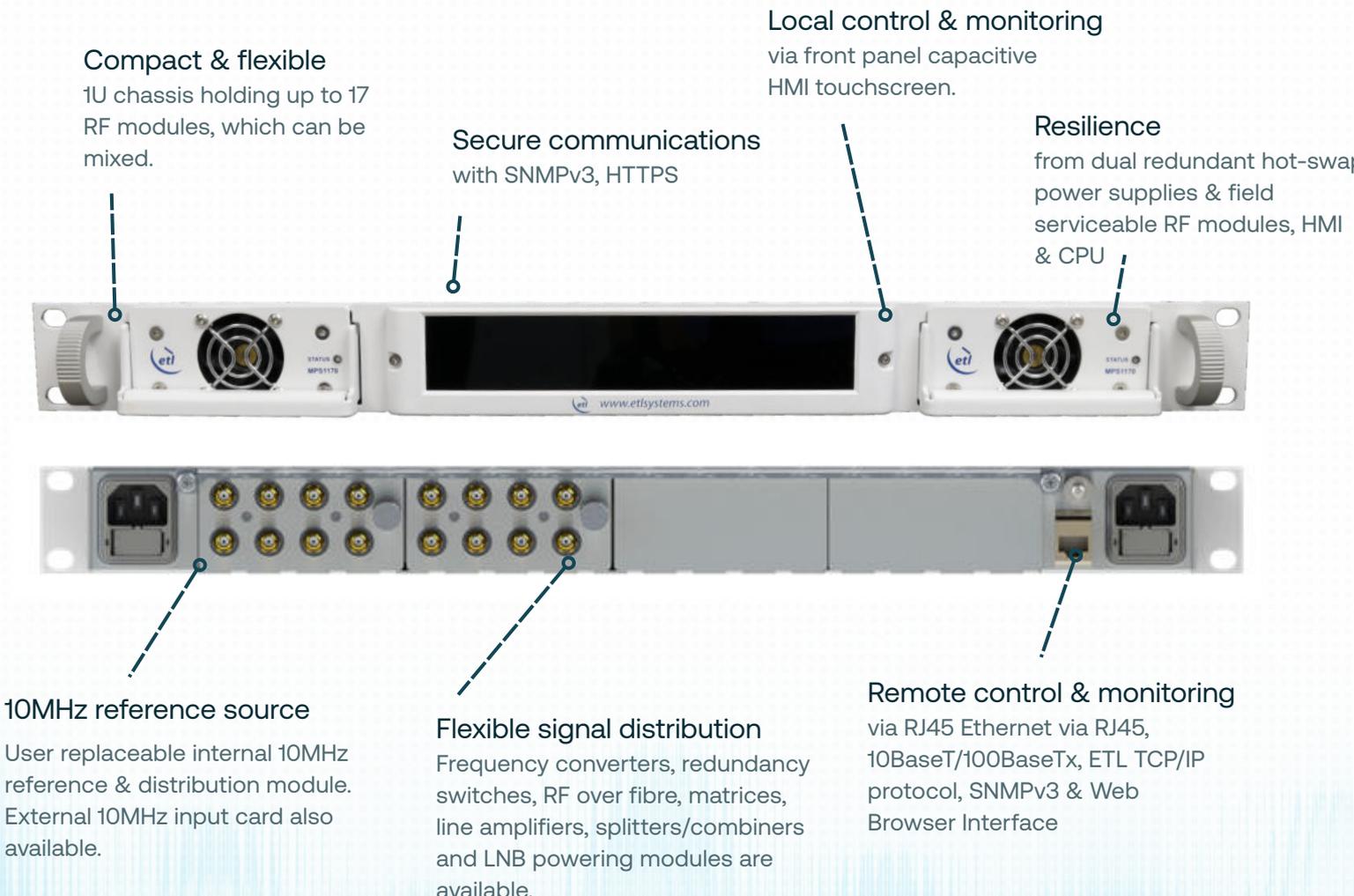
# GENUS 1U Modular Chassis

With Internal 10 MHz reference source.

The GENUS chassis has a modular design which can house any combination of compatible modules within the unit. Supplying operators with a flexible and scalable solution, that reduces spare parts and rack space requirements.

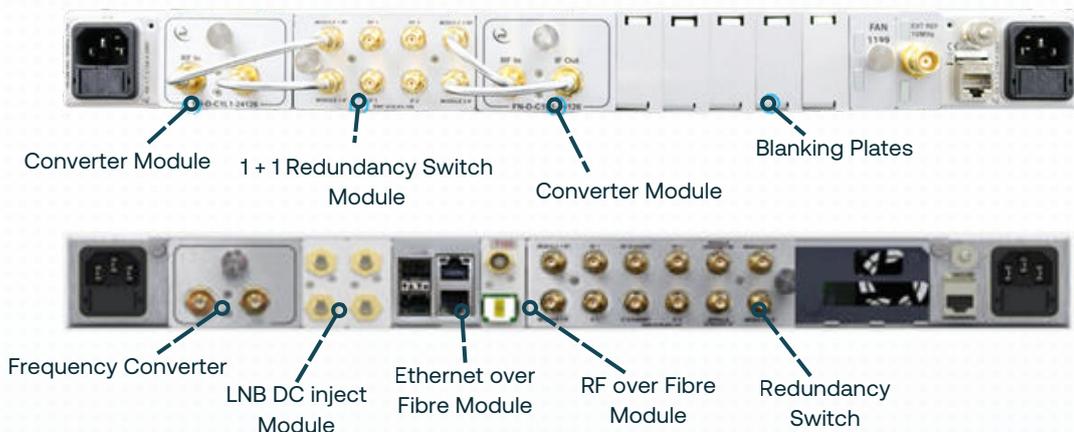
The 1U chassis houses up to 17 RF modules including Amplifiers, BUC/LNB Power Supplies, Frequency Converters, Matrices, RF over Fibre, Redundancy Switches and Test Loop Translators, which can be mixed. Providing a compact 1U system that is smaller in comparison with traditional 19" solutions, which could require 2U, 3U, 4U or more to achieve the same functionality. GENUS provides a cost-efficient solution with field-replaceable components.

The RF modules are field-serviceable and can be inserted whilst the shelf is in service, giving excellent levels of flexibility and resilience. With additional reliability from dual redundant hot-swap power supplies & field serviceable HMI, CPU and optional user replaceable internal 10MHz reference source with external 10MHz input options.



General Specifications		
Capacity	Up to 17 modules <b>Note:</b> actual number dependent on module type fitted	
Dimensions	1U 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 rate	
PSU	Dual redundant & alarmed, Diode OR, Hot-swap	
RF Modules	Various, hot-swap or field-replaceable dependent upon module type	
Control & Monitoring		
Local Control	HMI, capacitive touchscreen	
Remote Control & Monitoring	Ethernet via RJ45, 10BaseT/100BaseTx ETL TCP/IP protocol SNMPv3 & HTTPS Built-in Web Server	
Environmental		
Operating Temperature	0 to 45°C	
Storage Temperature	-20°C to +75°C Not Powered	
Location/Humidity	Indoor use only — 20 to 90% non-condensing	
Altitude	Operational	10,000 ft AMSL (Above Mean Sea Level)
	Storage	30,000 ft AMSL (Above Mean Sea Level)

A sample of available RF modules						
Amplifier	BUC/LNB Power Supply	Frequency Converter	Matrices	Redundancy Switch	RF Over Fibre	Test Loop Translator (TLT)



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.