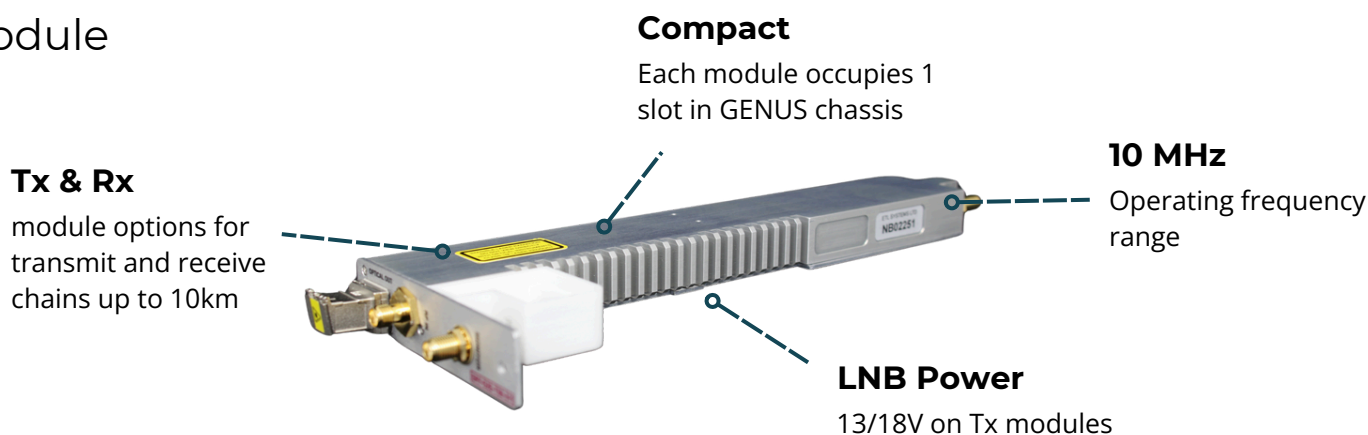


10MHz GENUS StingRay RF over Fibre module

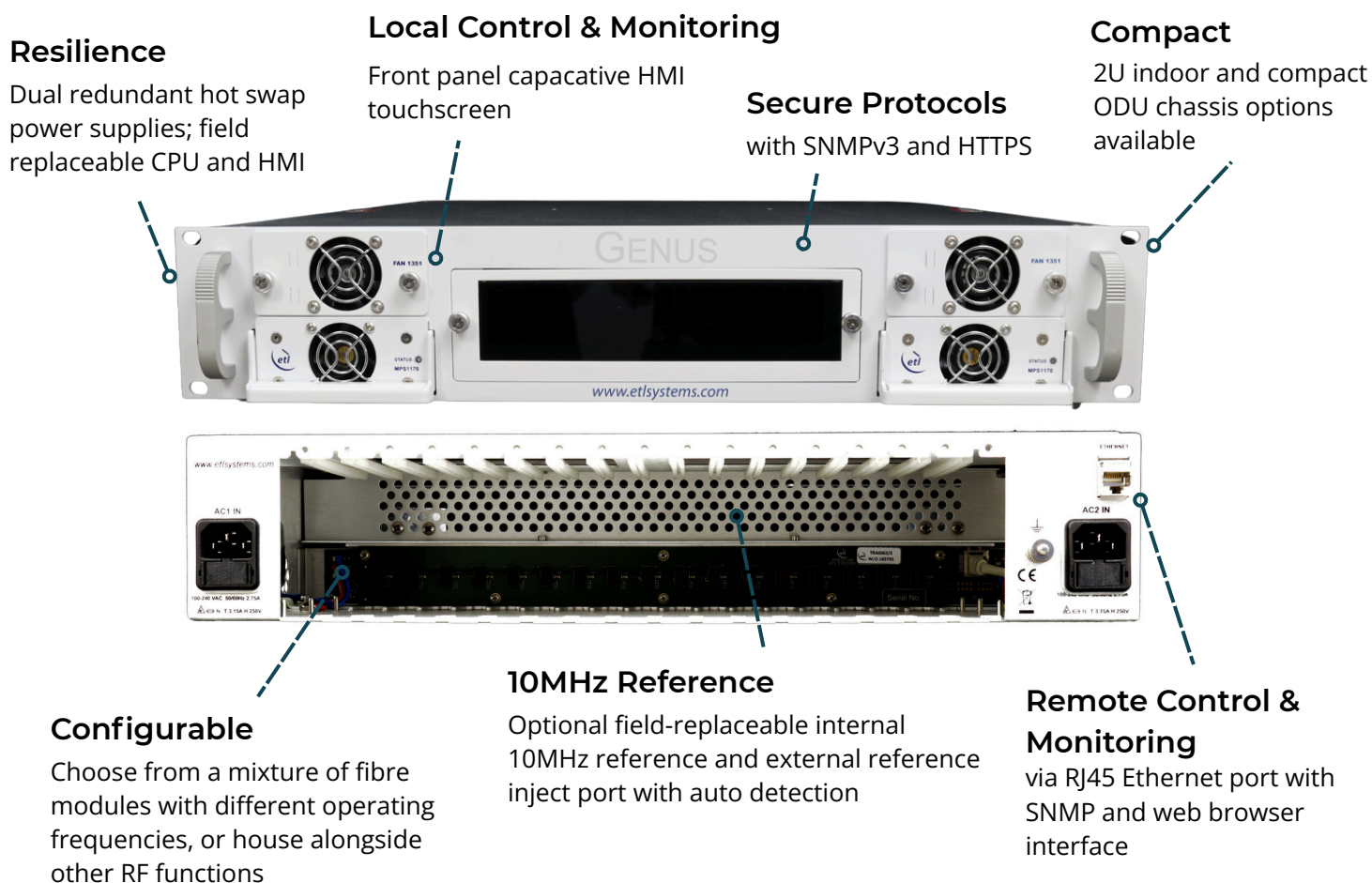
With ultra low phase noise and 10km nominal range.

StingRay Broadband Transmit and Receive RF Over Fibre modules to fit Genus 2U chassis. The transmit module can provide LNB power 13/18VDC, 22kHz tone up to 500 mA. When fitted with a 10 MHz distributing module the TX/RX module can inject an external or internal 10 MHz tone onto the broadband feed.

Module



Chassis



RF Parameters		
Model Numbers	SRY-G2S-TY-315-xxxxxx	SRY-G2S-RY-316-xxxxxx
Frequency Range	10 MHz	
Input Connectors & impedances	50Ω SMA or BNC.	
Input return loss (dB)	Typ. 20dB. Min 15 dB	N/A
Output return loss (dB)	N/A	Typ. 16dB. Min 12 dB
Input AGC level Max (dBm)	+12 dBm. Levels total power including noise	
Input AGC level Min (dBm)	0 dBm Min I/P for max O/P	
Output AGC level Max (dBm)	+12 dBm. Levels total power including noise	
Output AGC level Min (dBm)	0. dBm	
Max Input RF Power (dBm)	+16 dBm. Damage level	
Monitoring Port (SMA 50 Ohm Connector)	-20dBc ±3 dB	
Frequency Offset (Hz)	Phase Noise Typ (dBc/Hz)	Phase Noise Max (dBc/Hz)
0.1	-120	-110
1	-132	-120
10	-144	-130
100	-149	-140
1000	-150	-145
10000	-151	-147
100000	-152	-147
1000000	-152	-147
Laser Type	DFB	-
Optical Wavelength	1310 ± 10 nm	1100 to 1650nm. Optimized for 1310nm and 1550 nm
Optical Power output/input	Output: 5.5 ±2 dBm.	0 to 7dBm. Max 10 dBm
Power Consumption	5W Typical	3W Typical
Optical Connectors	FC/APC , SC/APC Single mode fibre.	
Gain Setting Modes	Manual Gain Control (MGC) Automatic Gain Control (AGC) Fixed Gain (FG)	
Module Dimensions	TBC. Genus 2U series mountable.	
Module Swap	Hot swap	
Temperature	Operating temp: -40°C to +55°C Storage temp: -40°C to +85°C	
Humidity	20 to 90% non-condensing	
Altitude	10,000 feet AMSL	
Location	Indoor use	
Spec Version	1.0	

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.