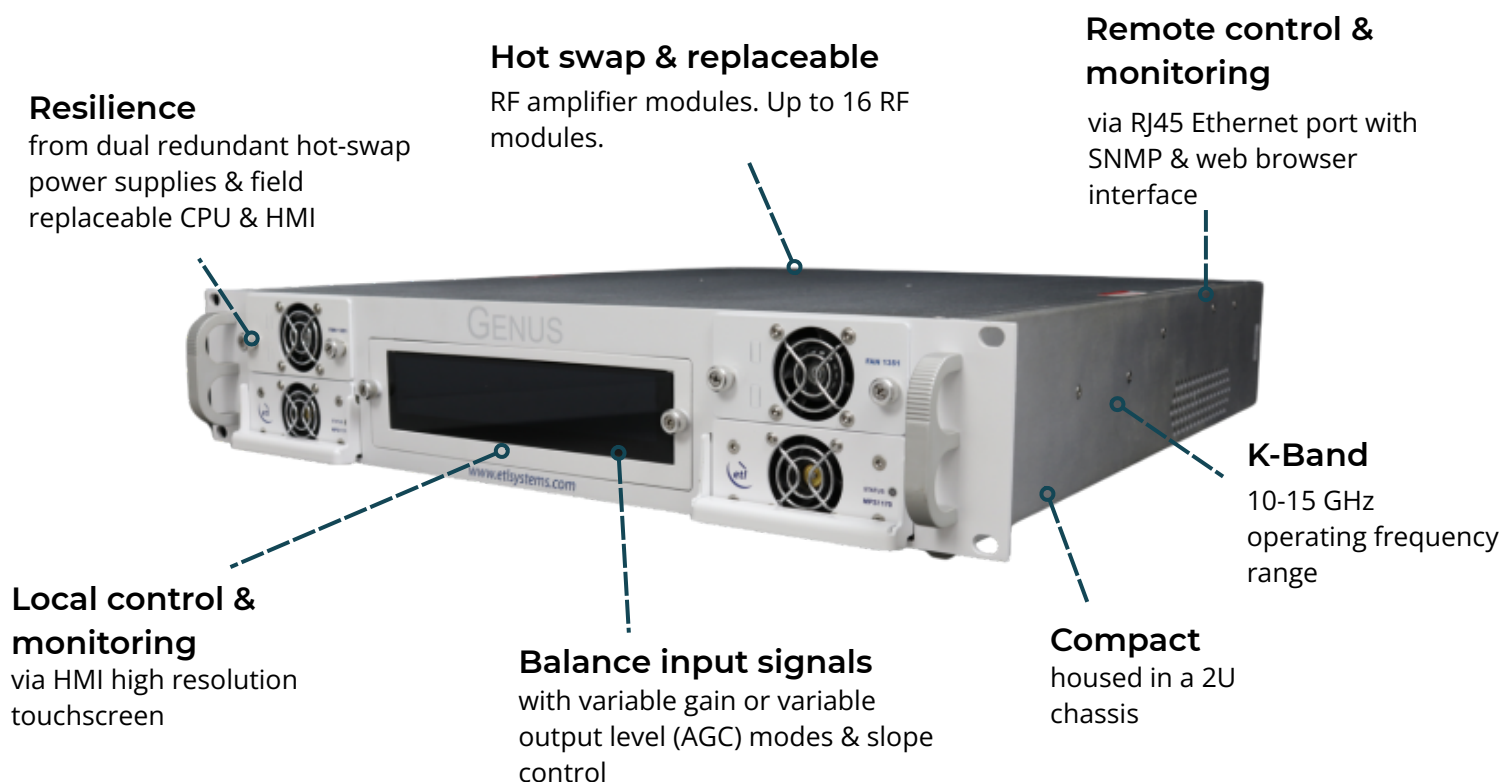


Alto K-Band SMART Attenuator Module

with adjustable slope and settable output level

K-Band wide band SMART attenuator module. Designed to be housed in Genus 2U 19" chassis. It operates over 10-15 GHz with a variable attenuation from 0 to 50dB. The module is hot-swappable.



Chassis Specification	
Dimensions/Weight/Colour	2U high x 550mm deep x 19" wide / <10kg / RAL9003 - white (semi-matte)
Capacity	17 module slots. Note: Actual modules may require >1 slot. Refer to required module spec table.
Temperature	Operating: 0°C to +45°C Storage: -20°C to +75°C
Location/Humidity/Altitude	Indoor use only / 20 to 90% non-condensing / 2,000m AMSL (Operational) 8,000m AMSL (Storage) Above Mean Sea Level
Control & Monitoring	Local: HMI, capacitive touch screen Remote: Ethernet via RJ45, 10BaseT/100 BaseTx. ETL TCP/IP, SNMPv2/3, HTTPS & built-in web server. HMI and CPU field replaceable.
MTTR	20 minutes (15 minutes to retrieve spare part and 5 mins to replace). Applies to LRUs only and assumed in-house stock.
AC Input/Consumption	85-264Vac 50/60Hz / 275W max. consumption at steady state
PSU Redundancy	Dual redundant and alarmed. Diode OR. Hot swappable.
Input & Output Ports	Dependant upon module fitted



Smart Amplifier Module

Compact form factor allows multiple modules to be housed in the 2U GENUS chassis. Each module occupies 1 slot in the chassis.

Smart Attenuator Module - RF Parameters		
Model Numbers	ALT-G2S-K2-177-xxxx	
Frequency Range	10 - 15 GHz	
Size	1 slot wide	
RF Ports	50Ω 2.92mm Female	
MTBF	>150,000 hours	
Insertion Loss	9 dB (Maximum insertion loss at 0dB attenuation setting)	
Attenuation Range	0—50 dB (Attenuation on top of stated insertion loss)	
Attenuation Step Size	0.5 dB	
Attenuation Accuracy	± (0.3 + 0.8% of state) dB	
Return Loss	10 dB min.	
Input 1db GCP	+27 dBm min.	
Input IP3	+50 dBm @ Typ.	
Environmental		
Operating Temperature	-0°C to +50°C	Up to 8 modules in a chassis.
	-0°C to +45°C	Up to 16 modules in a chassis.
Storage Temperature	-20°C to +75°C	
Location	Indoor use only, within parent GENUS chassis	
Humidity	20 to 90% non-condensing, relative humidity	
Altitude	10,000ft / 3,000m above mean sea level	
Physical Dimensions & Parameters		
Weight	<0.35kg typ.	

The performance quoted above is for a standalone amplifier. For in-chassis performance, see relevant spec. tables.

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.