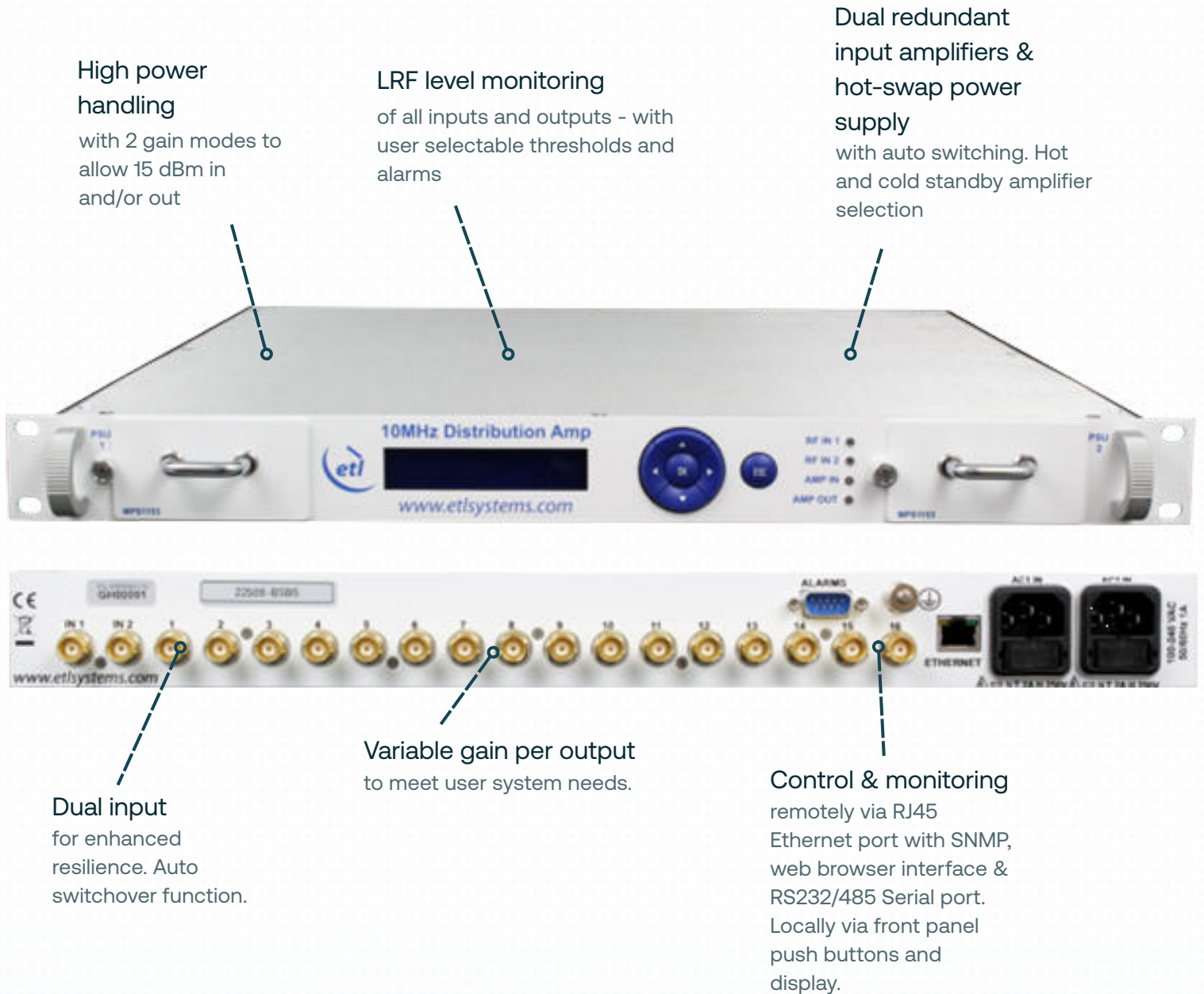


Dual input 16-way 10 MHz Distribution Amplifier / Splitter

with individual gain controllable outputs & dual redundant amplifiers



RF Parameters			
Capacity		16-way Splitter	
Number of inputs		2 Dual input A or B input manually selectable or Auto mode based on input level monitoring.	
Number of outputs		16	
Frequency		5-20MHz	
Gain Flatness		±0.25 dB (Full Band)	
Gain Adjustment Range (software selectable)	Low Gain Mode	-10 to 0 dB in 1 dB steps	Individually adjustable per output
	High Gain Mode	High Gain Mode -2 to +8 dB in 1 dB steps	
Input Return Loss	Typical	22dB	
	Minimum	18dB	
Output Return Loss	Typical	22dB	
	Minimum	18dB	
Amplifier Option		Dual redundant amplifier INPUT AMP CCT ONLY Hot standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring.	
Isolation		>85 dB	Between any RF ports
Max Input & Output Level		+15 dBm	
Additive SSB Phase Noise (At +15 dBm Output @ unity gain)	High Gain Mode	1 Hz 10 Hz 100 Hz 1 kHz 10 kHz+ 100 kHz	-125 dBc -135 dBc -135 dBc -145 dBc -155 dBc -160 dBc
	Low Gain Mode	1 Hz 10 Hz 100 Hz 1 kHz 10 kHz 100 kHz	-137 dBc -148 dBc -155 dBc -160 dBc -162 dBc -163 dBc
Spurious Signals		< -80 dBc	
Harmonics		-55 dBc typical at 10 MHz	

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.

System Control	
Local Control & Monitoring	LCD capacitive touchscreen via front panel
Remote Control & Monitoring	RJ45 port with 10baseT/100baseTX Ethernet offering web browser access, SNMP, and ETL Proprietary TCP Protocol.
Monitoring Functions	Input and Output RF level reporting. Amplifier LED status on front panel. User selectable alarm thresholds Controlled by Ethernet / front panel
Alarms	Dry contact, change over via 9-way D-type. PSU, amplifiers and signal status alarms. Full status and alarms also available via the Ethernet interface.
Power	
PSU	Dual redundant PSUs Dual IEC inlet
AC Consumption	<20W at steady state
AC Power	85-264Vac 50-60Hz Fused 2A
Physical & Environmental	
Input & output ports	50Ω BNC, 50Ω SMA
Dimensions	1U high x 450mm deep x 19" wide
Weight/Colour	4.5 Kg RAL9003 White (semi-matte)
Temperature	Operating: 0 to 50°C / Storage: -20°C to +75°C
Location/Humidity	Indoor use only — 85% non-condensing
Altitude	10,000 feet AMSL (Above Mean Sea Level)

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