

Dual input 32 way 10MHz Splitter

With individually controllable outputs

Resilience

From dual redundant amplifiers & power supplies

RF Level Monitoring

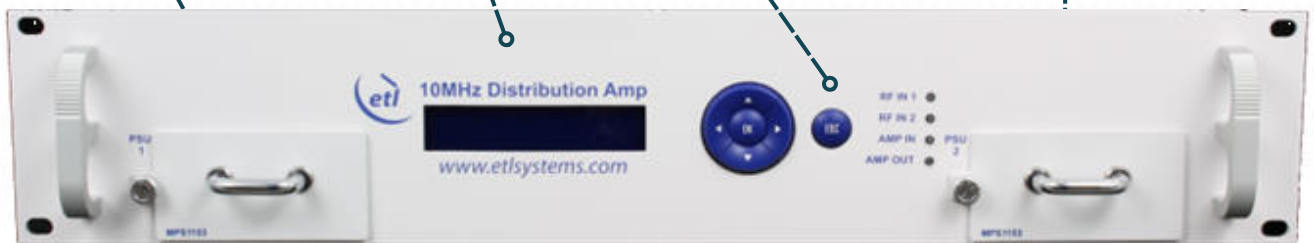
Of all inputs and outputs— with user selectable thresholds and alarms

Compact

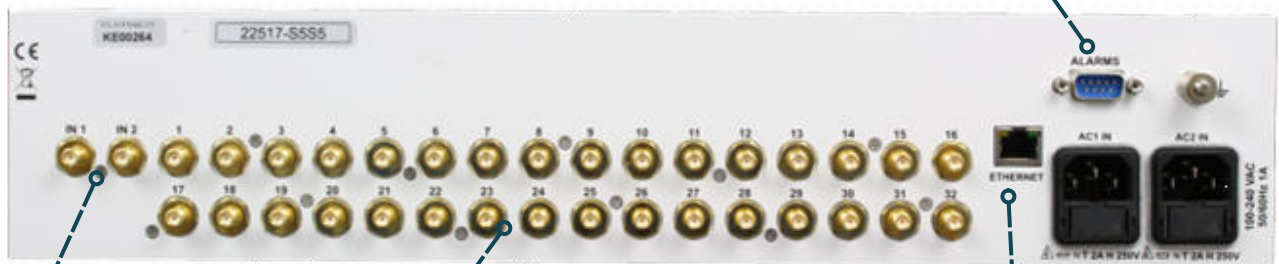
32-way splitter housed in a 2U high, 19" rack mountable shelf

5-20 MHz

operating frequency



Dry contact port for power supply status



Dual input

Switching to either input is automatically triggered by RF monitoring on the inputs

Variable Gain

to balance input signals

Remote control & monitoring

via RJ45 ethernet port with SNMP & web browser interface

RF Parameters		
Frequency Range		5-20 MHz
Capacity		32-way Dual input A or B input selectable or Auto mode based on input level monitoring
RF Connectors		50Ω SMA/ BNC
Gain adjustment range (dB) (Software selectable)	Low Gain Mode	-10 to 0dB in 1dB steps Individually adjustable per output
	High Gain Mode	-2 to +8dB in 1dB steps Individually adjustable per output
Gain flatness full band		±0.30 dB
Input Return Loss	Typ.	20dB
	Min.	16dB
Output Return Loss	Typ.	20dB
	Min.	16dB
Isolation	Between any RF ports	>85 dB
Amplifier option		Dual redundant amplifier INPUT AMP CCT ONLY Hot standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring.
Max input & Output Level		+15 dBm
Additive SSB Phase Noise	At +15dBm Output @ unity gain	1Hz -135dBc 10Hz -145dBc 100Hz -155dBc 1kHz -161dBc 10kHz+ -162dBc 100kHz -163dBc
Spurious signals		< -80dBc
Harmonics		-40dBc typical at 10MHz
System Control		
Monitoring		Input and outputs RF presence. Amplifier status. PSUs. Controlled by Ethernet
Alarms		Dry contact, change-over via 9-way D-type. Available alarms are: PSU, amp, and signal status. Full status and alarms are also available via the Ethernet interface.
Control & Display		LCD & Keypad Front panel
Communication		RJ45 port with 10baseT/100baseTX Ethernet offering web browser access, SNMP, and ETL Proprietary TCP Protocol
Power		
PSU		85-264V AC (50/60Hz)
Hot-swap PSU		Dual redundant with dual IEC inlets
AC Power		<50W at steady state
Physical & Environmental		
Dimensions		2U 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 — 90% non-condensing
Altitude		10,000ft AMSL