

Dual input 16-way 10 MHz Distribution Amplifier / Splitter

with individual gain controllable outputs & dual redundant amplifiers

High power handling
with 2 gain modes to allow 15 dBm in and/or out

LRF level monitoring
of all inputs and outputs - with user selectable thresholds and alarms

Dual redundant input amplifiers
and auto switching. Hot and cold standby amplifier selection



Dual input
for enhanced resilience. Auto switchover function.

Variable gain per output
to meet user system needs.

Control & monitoring
remotely via RJ45 Ethernet port with SNMP, web browser interface & RS232/485 Serial port. Locally via front panel push buttons and display.

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		±0.30 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	20dB	
	Minimum	16dB	
Output Return Loss	Typical	20dB	
	Minimum	16dB	
Amplifier Redundancy		Input stage amplifiers. 1+1 redundancy with auto switchover based on amplifier current User selectable hot or cold standby redundant amplifiers for enhanced reliability	
Isolation		>85 dB	Between any RF ports
Max Input & Output Level		+15 dBm	
Additive SSB Phase Noise	(At +15 dBm Output @ unity gain)	1 Hz 10 Hz 100 Hz 1 kHz 10 kHz+ 100 kHz	-135 dBc -145 dBc -155 dBc -161 dBc -162 dBc -163 dBc
Spurious Signals		< -80 dBc	
Harmonics		-40 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	<50W at steady state
AC Power	85-264Vac 50-60Hz Fused 2A
Physical & Environmental	
Input & output ports	50Ω BNC, 50Ω SMA
Dimensions	1U high x 350mm 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)

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.