



**Model Number: C1601S2ULA-22201-xxxx-E**

# 16-way Single L-band Active Combiner

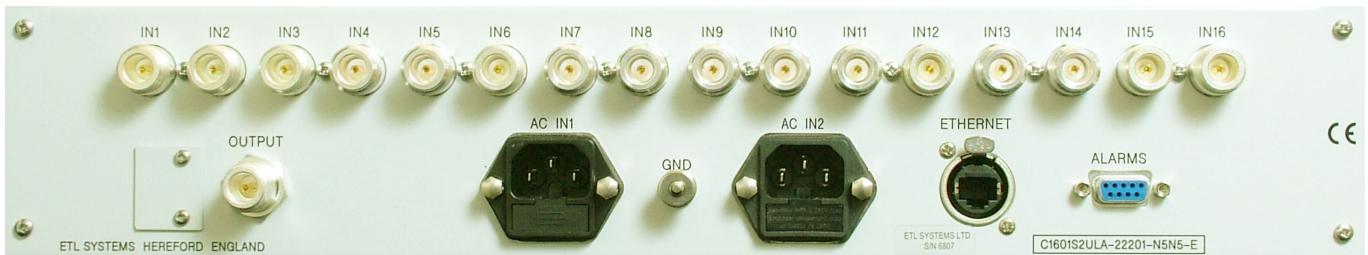
with dual redundant amplifiers and Ethernet monitoring



This single 16-way L-band active combiner benefits from automatic, cold standby, dual redundant amplifiers on the input which provides unity gain, and dual redundant power supplies for reliability in service.

Front View of Model C1601S2ULA-22201-xxxx-E

Monitoring of the dual redundant amplifiers and power supplies can be done via front panel LEDs; which provide a visual status, or remotely via an Ethernet port on the rear panel; with both SNMP and web browser interface available. A dry contact alarm port is provided on the rear panel for power supply failure.



Rear View of Model C1601S2ULA-22201-N5N5-E (this unit is supplied with 50 ohm N-type connectors)

This unit is available in a range of impedances and connector types (model numbers will vary).

This unit is also available without Ethernet monitoring - see Model C1601S2ULA-22201-xxxx.





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16-way Single L-band Active Combiner with dual redundant amplifiers & Ethernet monitoring

RF Engineering and Custom Build

## Technical specifications and operating parameters

RF Parameters						
Capacity	16-way					
Frequency Range	850-2150 MHz (L-band)					
RF Connectors	50Ω BNC	75Ω BNC	75Ω F-type	50Ω N-type	50Ω SMA	
Flatness	850-2150MHz	±1.0 dB	±1.0 dB	±1.3 dB	±0.75 dB	±0.75 dB
	Over any 36MHz	±0.5 dB	±0.5 dB	±0.5 dB	±0.35 dB	±0.35 dB
Input Return Loss*	16 dB	15 dB	12 dB	18 dB	18 dB	
Output Return Loss*	10 dB	10 dB	9 dB	12 dB	12 dB	
Gain	0 ± 2 dB		Nominal, mean across band			
1 dB Compression	12 dBm typical, 10 dBm minimum					
Noise Figure	25 dB typical, 28 dB max					
Input Isolation	25 dB		Typical isolation between any 2 input ports			
Amp Redundancy	1-to-1 redundant		Cold redundancy & current sensing			

\* Typical figures. Worst case values may vary up to 3dB below the quoted values

System Control	
Display	Front panel LED's for PSU & Amplifier status
Monitoring	Remote monitoring of PSU's and amplifiers via RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP
Alarms	Dry contact alarm port on rear panel for PSU failure

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power		
AC Power	85-264V AC (50/60Hz)	
BUC Power	None	
PSU	Dual Redundant	Diode OR
Hot-swap PSU	No	

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Key Features
Dual Redundant amplifiers
Dual redundant power supplies
Remote monitoring via RJ45 Ethernet port
LED's on the front panel to indicate PSU and amplifier status
Alarm contacts for external monitoring

ETL SYSTEMS LIMITED  
Coldwell Radio Station  
Madley  
Hereford  
England HR2 9NE

TELEPHONE  
+44 (0)1981 259020  
  
EMAIL  
info@etlsystems.com

FACSIMILE  
+44 (0)1981 259021  
  
WEB  
www.etlsystems.com

