



**Model Number: C1601S2ULA-22255-F7N5**

# 16-way Single L-band Active Combiner

With -20dB Monitoring Port



This single active 16-way combiner is housed in a 2U high shelf and is ideal for combining L-band satellite signals on the transmit stream, and has the benefit of allowing the signal to be fed in to a carrier monitoring system.

Front View of Model C1601S2ULA-22255-F7N5

This unit benefits from dual redundant power supplies, which are monitored by LED's on the front panel and via a dry contact alarm port on the rear.

The unit is also supplied with a -20dB monitoring port via the rear panel which monitors the output power level.



Rear View of Model C1601S2ULA-22255-F7N5

This particular unit is supplied with 75 ohm F-type connectors (IN) and 50 ohm N-type connectors (OUT), but is available in a variety of impedances and connector types (model numbers will vary).





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RF Engineering and Custom Build

## Technical specifications and operating parameters

### RF Parameters

Capacity	16- way	
Frequency Range	850-2150 MHz (L-band)	
Gain	25 dB $\pm$ 1 dB nominal, mean	
Flatness	850-2150 MHz	$\pm$ 1.5 dB typical
	Any 36Mhz. band	$\pm$ 0.5 dB
1 dB compression	+ 10 dBm	
Noise Figure	18 dB (TBC)	
Input Return Loss	15 dB typical	
Output Return Loss	15 dB typical	

### System Control

Display	Front panel LEDs for Power and PSU status
Monitor Port	-20 dB on common port

### Environmental

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

### Physical

Input Connector	F-type
Input Impedance	75 $\Omega$
Output Connector	N-type
Output Impedance	50 $\Omega$
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), Fused 2A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No

### Key Features

Dual redundant power supplies
Dry contact alarm for PSU failure
LEDs for PSU monitoring
-20 dB Monitor Port on rear panel

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

