

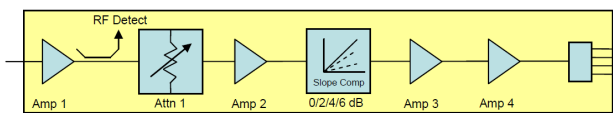


4-way L-band splitter module with variable gain, slope, RF detection & LNB powering - for Modular System

ETL's model 26128 Modular System offers total flexibility in managing L-band signals. The modular design comprises a chassis with 16 RF slots, hot swap dual redundant power supplies, and a hot-swap CPU module. Each chassis can hold up to 16 RF splitter modules, which can be hot swapped or hot expanded. This provides excellent resilience and scale ability.

- Typical applications:**
- Compensating for cable & other system losses between satellite dishes & teleport.
 - Low cost high resilience application.

Splitter Modules



850 - 2150 MHz
operating frequency range



RF Detection
to monitor input signals



LNB Powering
0/13/18V & 22kHz tone



Variable gain & slope to balance input signals.

Chassis



Compact chassis which can house up to 16 amplifier modules



Resilience from dual redundant hot-swap power supplies, hot-swap splitter modules & hot-swap CPU



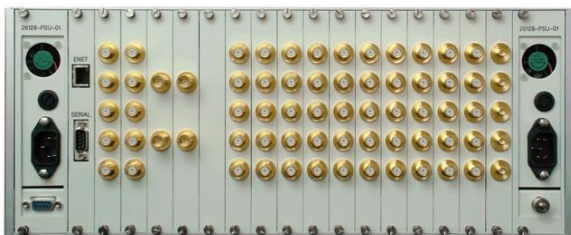
Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



Dry contact alarm port & serial communications for power supply status



Local control & monitoring via LEDs on modules





Technical specifications and operating parameters
PRELIMINARY

RF Parameters				
Capacity	4-way Active Splitter		With RF level detection	
Module Slots Used	1			
Frequency Range	850-2150 MHz (L-band)			
RF Connectors	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Flatness	± 2 dB	± 2 dB	± 2 dB	± 2.5 dB
Return Loss	14 dB	12 dB	12 dB	10 dB
Gain	Minimum Gain	0 ± 2 dB		
	Maximum Gain	24 ± 2 dB		
	Gain Steps	1 ± 0.25 dB		
	Dynamic Range	24 dB minimum		
Frequency Slope	0, +2dB, +4dB and +6dB		Selectable. All ± 1 dB	
1dB GCP	0 dBm	At mid band & 0dB frequency slope selection		
Noise Figure	15 dB	At mid gain & 0dB frequency slope selection		
	9 dB	At maximum gain & 0dB frequency slope selection		
RF ports	All RF ports are DC blocked			

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

Power		
Power Supply	24V DC	See chassis specifications for input power.
Input RF Power	+16dBm (40mW) max	Total RF power, at any RFport
RF Level Detection	-60 to -10 dBm	Input Port
LNB	0/13/18Vdc with 22kHz select.	450mA per channel available but total LNB power per chassis is limited to approximately 100W, depending on other modules fitted.
Max DC voltage on RF ports	24V	All RF ports are DC blocked

Chassis Specifications	
Capacity	16 splitter modules
Dimensions	4U high x 450mm deep x 19" wide
Weight	20 kg (fully populated)
Colour	White 00-E-55 semi-gloss (Front & Rear panels)
AC Power	85-264V AC (50/60Hz)
PSU	Dual redundant, hot-swap
Local Control & Monitor	Push button & display, accessible via front door
Remote Control & Monitor	Via CPU as fitted, see chassis specifications

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.

