



GNSS-RAS-16

The GNSS-RAS-16 is 1-to-16 splitter

The GNSS-RAS-16 is a robust, active 1-to-16 signal splitter with 10dB gain.

Engineered for precise GNSS/GPS signal distribution in critical environments such as server halls, laboratories and other environments where GNSS reception is required.

Frequency Range: Covers all GNSS constellations within the frequency range of 1.15 GHz to 1.63 GHz, ensuring comprehensive coverage for synchronization and distribution needs.

Redundant Power Supply: Equipped with a fully redundant dual power supply system to guarantee uninterrupted signal reception for end-user devices. Can work with one or two power supplies.

LED Status Indicators: Intuitive indicator LEDs monitor antenna current consumption and power supply units (PSUs), facilitating quick and efficient troubleshooting.

Signal Integrity: Each splitter output is DC loaded with 200-ohm resistors to simulate antenna current draw, preventing false antenna alarms in connected receivers.

The GNSS-RAS-16 delivers dependable performance and precise signal distribution, meeting the demands of environments requiring robust GNSS reception solutions.



General				
Size	483x212x44 mm 19.00x8.35x1.72 inches			
Weight	1.8 kg, 4 pounds			
Operating Temperature	-25 - +55°C			
Power Connector	M8 4-pin male			
RF IN Connector	1xSMA female			
RF OUT Connectors	16xSMA female			
CE	Yes			
EMC	EN 301 489-1			
Power On Indicator	1 piece for each PSU			
Antenna Current Indicator	Green: Antenna Ok, Red: Antenna Fault			
Electrical				
	Min	Typical	Max	Unit
Frequency Range	1.15		1.63	GHz
Gain	8.5	11.0	12.8	dB
Amplitude Balance		0.5		dB
Phase Balance		<5		degrees
Input VSWR		<2		
Output VSWR		<1.2		
Output Port Isolation		>21		dB
RF Input			-20	dBm
Input Voltage	10.8	12	13.2	VDC
Power Consumption		3		W
Antenna Output Voltage		5		VDC
Antenna Current			100	mA
DC Block load termination		200		ohm
DC Block Voltage			12.0	VDC



CONTACT US FOR ROGER-GPS GNSS products:

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