

High Tech Products – Outstanding Service

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 serverhalls, 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	203 x 422 x 44 mm			
Weight	1,7 kg			
Operating Temp.	-25 - +55°C			
Power Connector	M8 4-pin male			
RF IN Connector	1xSMA female			
RF OUT Connectors	16xSMA female			
CE	Yes			
Power On Indicator	1 piece for each PSU			
Ant. Current Indic.	Green: Antenna Ok, Red: Antenna Fault			
Electrical				
	Min	Typical	Max	Unit
Frequency Range	1.15		1.63	GHz
Gain	7.5	9	10.5	dB
Amplitude Balance		0.5		dB
Group Delay		10		ns
Phase Balance		<5		degrees
Input VSWR		<2		
Output VSWR		<1.2		
Output Port Isolation		>21		dB
RF Input			-20	dBm
Input Voltage	10.8		13.2	VDC
Power Consumption		3		W
Ant. Output Voltage		5		VDC
Antenna Current			100	mA
DC Block		200		ohm
DC Block Voltage			12	VDC