

# Antenna-Roof-2LG

## Roof Antenna with MIMO LTE + GNSS

Omnidirectional combo antenna with linear polarization for signal enhancement in 4G, 3G, 2G networks and with and right-hand circular polarization for the active GPS antenna.



### Keyfeatures

<b>Cellular</b>	MIMO LTE / UMTS / GSM
<b>GNSS</b>	active
<b>Vehicle</b>	ECE R118

### Specifications

<b>Mobile / Cellular</b>	<b>Standard</b>	2 x LTE / UMTS / GSM <b>LTE</b> Bands: 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 65, 66, 67, 68, 69, 70, 85 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53 <b>UMTS</b> Bands: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 19, 20, 25, 26 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40 <b>GSM</b> Bands: 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS <b>Frequency</b> 704 - 960, 1710 - 2690
	<b>Specification</b>	<b>Gain</b> Main Antenna 6.1 dBi@700~960MHz (3m Cable) 5.47 dBi@1710~2690MHz (3m Cable)  Sub Antenna 4.91 dBi@700~960MHz (3m Cable) 4.45 dBi@1710~2690MHz (3m Cable) <b>VSWR</b> ≤ 2.4 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Connectors</b>	2x SMA male fix connected 3m antenna cable
<b>GNSS</b>	<b>Standards</b>	1 x GPS / Galileo / GLONASS / BeiDou <b>Type</b> active <b>Frequency</b> 1532 - 1618
	<b>Specification</b>	<b>Gain</b> 27 dBi <b>VSWR</b> ≤ 1,5 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Amplifier</b>	<b>Power</b> 3 - 5.5 V <b>Current</b> 12 mA <b>Gain</b> 25 dB typ.
	<b>Connectors</b>	1x SMA male fix connected 3m antenna cable
<b>Mechanical</b>	<b>Dimensions</b>	<b>Diameter</b> 80 mm <b>Height</b> 42 mm
	<b>Weight</b>	335 g
	<b>Mounting</b>	Rooftop with screws no ground plane needed
	<b>Color</b>	black
<b>Environment</b>	<b>Operating Temperature</b>	-40°C to +80°C
	<b>Ingress Protection Level</b>	IP67

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<b>Certifications</b>	<b>Compliance Domain</b>	ECE R118, RoHS, REACH Industrial Vehicle
<b>Extension Cables</b>	<b>Cellular GNSS</b>	2 x fix connected / 3 m / SMA male 1 x fix connected / 3 m / SMA male
<b>Other</b>	<b>Order Code</b>	Antenna-Roof-2LG

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