

Antenna-Railway-4LG

Railway Antenna with 4x4 MIMO LTE + GNSS + EN50155 + 3m Cable

Omnidirectional multiband antenna for signal enhancement in 4G, 3G, 2G, GSM-R networks and active GPS antenna.



Keyfeatures

Cellular	MIMO LTE / UMTS / GSM / GSM-R
GNSS	active
Railway	EN50155, EN45545

Specifications

Mobile / Cellular	Standard	<p>4 x LTE / UMTS / GSM / GSM-R</p> <p>LTE 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</p> <p>UMTS 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</p> <p>GSM Bands: 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS</p> <p>Bands 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS</p> <p>Frequency 694 - 960, 1710 - 2690</p>
	Specification	<p>Gain 7,2 dBi (LTE 700, GSM-R) / 7,9 dBi (GSM 1800, UMTS, LTE 2600)</p> <p>VSWR \leq 1,8 typ.</p> <p>Impedance 50 Ohm</p> <p>Radiation omnidirectional</p>
	Connectors	<p>4x N female</p> <p>Type N</p> <p>Gender Female</p>
GNSS	Standards	<p>1 x GPS / Galileo / GLONASS / BeiDou</p> <p>Type active</p> <p>Frequency 1560 - 1606</p>
	Specification	<p>Gain 5.7 dBi</p> <p>VSWR \leq 1,8 typ.</p> <p>Impedance 50 Ohm</p> <p>Radiation omnidirectional</p>
	Amplifier	<p>Power 3.3 - 5 V</p> <p>Current 8 mA typ. (3.3 V) / 15 mA typ. (5 V)</p> <p>Gain 25 dB typ.</p>
	Connectors	<p>1x N female</p> <p>Type N</p> <p>Gender Female</p> <p>0,3 m cable N-m angle to amplifier with N-f</p>
Mechanical	Dimensions	<p>Diameter 200 mm</p> <p>Height 60 mm</p>
	Weight	1500 g
	Mounting	Rooftop with screws
	Color	black
Environment	Operating Temperature	-60°C to +80°C
	Ingress Protection Level	IPX9k IP6X

Certifications	Compliance Standards Domain	EN 50155, EN 50122-1, EN 50124, IEC 60068, IEC 61373, ISO20653, ISO 9227, EN 45545-2 2014/30/EU; 2006/28/EC; 2002/95/EC EN 50122-1, EN 50124, IEC 60068, IEC 61373, ISO20653, ISO 9227, 2006/28/EC; 2002/95/EC Railway
Extension Cables	Cellular GNSS	4 x Ant-Cable-Railway-01 / 3 m / N male / TNC male 1 x Ant-Cable-Railway-01 / 3 m / N male / TNC male
Other	Order Code	Antenna-Railway-4LG