

Antenna-Railway-4NG

Railway Antenna with 4x4 MIMO 5G + GNSS + EN50155 + 3m Cable

Omnidirectional multiband antenna for signal enhancement in 5G, 4G, 3G, 2G, GSM-R networks and active GPS antenna.



Hauptmerkmale

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|-----------------|-----------------------------------|
| Cellular | MIMO 5G/ LTE / UMTS / GSM / GSM-R |
| GNSS | active |
| Railway | EN50155, EN45545 |

Spezifikation

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| Mobile / Cellular | Standard | 4 x 5G / LTE / UMTS / GSM / GSM-R 5G Bands: 1, 2, 3, 5, 7, 8, 12, 20, 25, 28, 65, 66, 70, 80, 81, 82, 83, 84, 86 - TDD Bands: 34, 38, 39, 40, 41, 78 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 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 GSM Bands: 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS Frequency (MHz) 694 - 960, 1710 - 2690, 3100 - 3800 |
| | Specification | Gain 7,2 dBi (LTE 700, GSM-R) / 7,9 dBi (GSM 1800, UMTS), 10,5 dBi (LTE 2600, 5G) VSWR $\leq 1,8$ typ. Impedance 50 Ohm Radiation omnidirectional |
| | Connectors | 4x N female Type N Gender Female |
| GNSS | Standards | 1 x GPS / Galileo / GLONASS / BeiDou Type active |
| | Specification | Frequency (MHz) 1560 - 1606 Gain 5.0 dBi VSWR $\leq 1,8$ typ. Impedance 50 Ohm Radiation omnidirectional |
| | Amplifier | Power 3.3 - 5 V Current 8 mA typ. (3.3 V) / 15 mA typ. (5 V) Gain 25 dB typ. |
| | Connectors | 1x N female Type N Gender Female 0,3 m cable N-m angle to amplifier with N-f |
| Mechanical | Dimensions | Diameter 200 mm Height 60 mm |
| | Weight | 1700 g |
| | Mounting | Rooftop with screws no ground plane needed |
| | Color | black |
| Environment | Operating Temperature | -60°C bis +85°C |
| | Ingress Protection Level | IPX9k IP6X |

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| Certifications | Compliance Standards Domain | EN 50155, EN 50122, EN 50124, IEC 60068, IEC 61373, ISO 20653, ISO 9227, EN 45545-2 2014/30/EU; 2006/28/EC; 2002/95/EC EN 50122, 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-Nm-TNCm-3 / 3 m / N male / TNC male 1 x Ant-Cable-Railway-01-Nm-TNCm-3 / 3 m / N male / TNC male |
| Other | Order Code | Antenna-Railway-4NG |