Product: Antenna-Railway-4L2WG

Railway Rooftop Antenna with 4x4G, 2xWLAN, 1xGNSS

Product Description

Railway Rooftop Antenna with 4x4G (LTE), 2xWLAN, 1xGNSS (active), EN50155, 3m Cable

Technical Specifications

Product Overview

Name:	Antenna-Railway-4L2WG

General Information

Scope of delivery:	7x Ant-Cable-Railway-01-Nm-TNCm-3 (3 m, N male to TNC male)

More Interfaces

GPS (global positioning system):	1x GPS / Galileo / GLONASS / BeiDou, Type: active, Frequency: 1560 - 1606 MHz (L1 Band), Gain: 5 dBi, VSWR ≤ 1,8 tyically, Impedance: 50 Ω, Radiation: Omnidirectional, Amplifier: 3.3 - 5.0 VDC, 8 mA at 3.3 VDC, 15 mA at 5.0 VDC, 25 dB gain typically, Connector: N-type female, 0.3m cable N-type male angle to amplifier with N-type female included

Radio technology

Modules

Description	Antenna Connector	Additional Radio Features	Frequency Band
Module 2	4x N-type female	Gain: 7 dBi at 700 MHz, 8 dBi at 1800 MHz; VSWR ≤ 1,8 typically; Impedance 50 Ohm; Radiation pattern: Omnidirectional	700-1000 MHz, 1700-2700 MHz
Module 3	2x N-type female	Gain: 7 dBi at 2.4 GHz, 8dBi at 5 GHz; VSWR ≤ 1,8; Impedance 50 Ω	WLAN: 2.4 GHz, 5 GHz

Ambient conditions

Degree of Protection when Installed:	IPX9k, IP6X
Operating temperature:	-60-+80 °C

Mechanical construction

Dimensions (WxHxD):	Antenna: Diameter 200 mm, Height 60mm
Weight:	1500 g
Housing Color:	black
Mating Side:	Bottom

Approvals

Basis Standard:	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

Further Instructions

Certificates:	Certificates and further technical documentation in the downloads.

History

Update and Revision:	Revision Number: 0.30 Revision Date: 02-20-2026

Variants

Item #	Type	EAN Code
942998024	Antenna-Railway-4L2WG	4059759032196

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