

Antenna-Coach-4N4WG

Coach Roof Antenna with 4x4 MIMO 5G + 4x4 MIMO WLAN + GNSS + UN ECE R10 + UN ECE R118

Omnidirectional combo antenna with linear polarization for signal enhancement in 5G, 4G, 3G, 2G and WLAN networks and right-hand circular polarization for the active GPS antenna.



Keyfeatures

WiFi / WLAN	MIMO 2.4 / 5 GHz
Cellular	MIMO 5G / LTE / UMTS / GSM
GNSS	active
Vehicle	UN ECE R10 / UN ECE R118

Specifications

Mobile / Cellular	Standard	4 x 5G / LTE / UMTS / GSM 5G Bands: 1, 2, 3, 5, 7, 8, 12, 20, 25, 28, 65, 66, 70, 74, 75, 76, 80, 81, 82, 83, 84, 86 - TDD Bands: 34, 38, 39, 40, 41, 50, 51, 78 LTE Bands: 1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 32, 65, 66, 67, 68, 69, 70, 74, 75, 76, 85 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 45, 50, 51, 53 UMTS Bands: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 19, 20, 21, 25, 26, 32 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40 GSM Bands: 700, 850, 900, 1800, 1900 Frequency 700 - 2600, 3200 - 3800
	Specification	Gain -9 dBi typ. (700 MHz) ±0 dBi typ. (800 MHz) +3 dBi typ. (900 MHz) +3 dBi typ. (1800 MHz) +1 dBi typ. (2100 MHz/UMTS) +2 dBi typ. (2600 MHz) VSWR ≤ 2 typ. Impedance 50 Ohm Radiation omnidirectional
	Connectors	4x FAKRA D-coded female fix connected 3m antenna cable
WiFi / WLAN	Standards	4 x Dual-band WLAN 2.4/5 GHz Frequency 2408 - 2480, 5150 - 5850
	Specification	Gain 4 dBi (WLAN 2.4) / 1 dBi (WLAN 5) VSWR ≤ 2 typ. Impedance 50 Ohm Radiation omnidirectional
	Connectors	4x FAKRA I-coded female fix connected 3m antenna cable
GNSS	Standards	1 x GPS / Galileo / GLONASS / BeiDou Type active Frequency 1565 - 1625
	Specification	Gain 25 dBi VSWR ≤ 1,5 typ. Impedance 50 Ohm Radiation omnidirectional
	Amplifier	Power 3 - 5 V Current 13 mA max. Gain 25 dB typ.
	Connectors	1x FAKRA C-coded female fix connected 3m antenna cable

Mechanical	Dimensions	Diameter 112 mm
	Weight	Height 90 mm
	Mounting	550 g
	Color	Rooftop with screws no ground plane needed black
Environment	Operating Temperature	-40°C to +85°C
	Ingress Protection Level	IP69K - Dust-tight, protected against close-range high pressure, high temperature spray downs
Certifications	Compliance Domain	RoHS, REACH, Vehicle according to UN ECE R10, UN ECE R118 Vehicle
Extension Cables	Cellular	4 x fix connected / 3 m / FAKRA D-coded female
	WLAN	4 x fix connected / 3 m / FAKRA I-coded female
	GNSS	1 x fix connected / 3 m / FAKRA C-coded female
Other	Order Code	Antenna-Coach-4N4WG