

Antenna-Coach-5G-4L4WG

Coach Roof Antenna with 4x4 MIMO 5G + 4x4 MIMO WLAN + GNSS + 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	<p>4 x 5G / LTE / UMTS / GSM</p> <p>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</p> <p>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</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 700 - 2600, 3200 - 3800</p>
	Specification	<p>Gain -9 dBi typ. (700 MHz)</p> <p>±0 dBi typ. (800 MHz)</p> <p>+3 dBi typ. (900 MHz)</p> <p>+3 dBi typ. (1800 MHz)</p> <p>+1 dBi typ. (2100 MHz/UMTS)</p> <p>+2 dBi typ. (2600 MHz)</p> <p>VSWR ≤ 2 typ.</p> <p>Impedance 50 Ohm</p> <p>Radiation omnidirectional</p>
	Connectors	4x FAKRA D-coded female fix connected 3m antenna cable
WiFi / WLAN	Standards	<p>4 x Dual-band WLAN 2.4/5 GHz</p> <p>Frequency 2408 - 2480, 5150 - 5850</p>
	Specification	<p>Gain 4 dBi (WLAN 2.4) / 1 dBi (WLAN 5)</p> <p>VSWR ≤ 2 typ.</p> <p>Impedance 50 Ohm</p> <p>Radiation omnidirectional</p>
	Connectors	4x FAKRA I-coded female fix connected 3m antenna cable
GNSS	Standards	<p>1 x GPS / Galileo / GLONASS / BeiDou</p> <p>Type active</p> <p>Frequency 1565 - 1625</p>
	Specification	<p>Gain 25 dBi</p> <p>VSWR ≤ 1,5 typ.</p> <p>Impedance 50 Ohm</p> <p>Radiation omnidirectional</p>
	Amplifier	<p>Power 3 - 5 V</p> <p>Current 13 mA max.</p> <p>Gain 25 dB typ.</p>
	Connectors	1x FAKRA C-coded female fix connected 3m antenna cable

Mechanical	Dimensions Weight Mounting Color	Diameter 112 mm Height 90 mm 550 g Rooftop with screws no ground plane needed black
Environment	Operating Temperature Ingress Protection Level	-40°C to +85°C IP69K
Certifications	Compliance Domain	RoHS, REACH, Vehicle according to UN ECE R10, UN ECE R118 Vehicle
Extension Cables	Cellular WLAN GNSS	4 x fix connected / 3 m / FAKRA D-coded female 4 x fix connected / 3 m / FAKRA I-coded female 1 x fix connected / 3 m / FAKRA C-coded female
Other	Order Code	Antenna-Coach-5G-4L4WG