

# Antenna-Coach-5G-4L4WG

## 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

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

### Specifications

<b>Mobile / Cellular</b>	<b>Standard</b>	4 x 5G / LTE / UMTS / GSM <b>5G</b> 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, 39, 40, 41, 50, 51, 78 <b>LTE</b> 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 <b>UMTS</b> 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 <b>GSM</b> Bands: 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS <b>Frequency</b> 700 - 2600, 3200 - 3800 <b>Gain</b> -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) <b>VSWR</b> ≤ 2 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Specification</b>	
	<b>Connectors</b>	4x FAKRA D-coded female fix connected 3m antenna cable
<b>WiFi / WLAN</b>	<b>Standards</b>	4 x Dual-band WLAN 2.4/5 GHz <b>Frequency</b> 2408 - 2480, 5150 - 5850 <b>Gain</b> 4 dBi (WLAN 2.4) / 1 dBi (WLAN 5) <b>VSWR</b> ≤ 2 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Specification</b>	
	<b>Connectors</b>	4x FAKRA I-coded female fix connected 3m antenna cable
<b>GNSS</b>	<b>Standards</b>	1 x GPS / Galileo / GLONASS / BeiDou <b>Type</b> active <b>Frequency</b> 1565 - 1625
	<b>Specification</b>	<b>Gain</b> 25 dBi <b>VSWR</b> ≤ 1,5 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Amplifier</b>	<b>Power</b> 3 - 5 V <b>Current</b> 13 mA max. <b>Gain</b> 25 dB typ.
	<b>Connectors</b>	1x FAKRA C-coded female fix connected 3m antenna cable

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