

# Antenna-Vehicle-LWG

Rooftop antenna for vehicles and cabinets with LTE, WiFi and GNSS



## Features

- LTE/UMTS/GSM
- WiFi 2.4/5 GHz
- GNSS

The Antenna-Vehicle-LWG is an omnidirectional rooftop antenna for vehicles. The combo antenna is designed for 2G, 3G and 4G networks, WiFi and also GNSS. With its E-mark certification, protection levels IP96K and IP68 and supported temperature range from -40 °C to +85 °C, the antenna can be used on vehicles for tracking applications, E-Ticketing, Passenger WiFi, driver communication and much more.

The antenna combines multiple antennas in a single housing and thus supports LTE/UMTS/GSM, WiFi 2.4/5 GHz and also GNSS (GPS & GLONASS). LTE and WiFi are vertical and the active GNSS is right hand circular polarized.

The antenna can be mounted permanently with screws and three included 3m cables allow a flexible positioning.

## Frequencies

- 690 - 960 MHz
- 1700 - 2200 MHz
- 1574 - 1610 MHz
- 2400 - 2500 MHz
- 5100 - 6000 MHz

# Specifications

Supported Technologies	GSM UMTS LTE WiFi 2.4 / 5 GHz GNSS (GPS & GLONASS)
Cellular	Frequencies: 690-960 MHz / 1700 - 2200 MHz Gain: 5 dBi @ 690-960 MHz / 4 dBi @ 1700 - 2200 MHz VSWR: 1.8 Impedance: 50 Ohm Radiation: Vertical polarization Connector: SMA male Cable: HF50 3m
GNSS	Frequencies: 1574 - 1610 MHz Type: Active Power: 3 - 5V, 30 mA Gain: 30 dBiC (Total gain @90° elevation) VSWR: 2 Impedance: 50 Ohm Radiation: Circular right polarization Connector: SMA male Cable: HF50 3m
WiFi 2.4/5 GHz	Frequencies: 2400 - 2500 MHz / 5100 - 6000 MHz Gain: 6 dBi @ 2400 - 2500 MHz / 7 dBi @ 5100 - 6000 MHz Impedance: 50 Ohm VSWR: 1.8 Radiation: Vertical polarization Connector: SMA male Cable: HF50 3m
Certifications	DIN 75200 / ISO 16750 / RoHS 2011-65-EC compliant / REACH 2006-1907-EC / RoHS 2002-95-EC / MIL-F-14072D / E-Mark / CE-Mark
Protection level	IP69K / IP68
Temperature range	-40 °C to +85 °C
Environment	Outdoor
Color	Dark grey
Dimensions	83 x 82 x 208 mm
Mounting	Roof mounting Mounting breakthrough Ø30mm
Order number	Antenna-Vehicle-LWG