

2in1 LTE 4G/3G/2G and GPS/GLONASS/GALILEO Combination Antenna

Part No.:AC-5GLTE/GPS(GLONAS)-DH

1. Introduction

This is a high performance combination LTE and GPS/GLONASS/GALILEO screw mount antenna in a compact housing, for external use on vehicles and outdoor assets worldwide.

The antenna can be mounted on metal and plastic structures.

Customized cable length and connectors are available.

Durable UV resistant IP67 ABS housing is resistant to vandalism and direct attack.

A rubber O-ring is provided under the antenna to prevent water entering under the antenna.

If the lower frequency bands are required the antenna functions best when mounted on a metal ground-plane, but can still work well with short cable lengths below 1 meters on plastic structures and is locked from the inside of the structure by a nut. The thread is extra small, allowing for installation in the tightest of environments.

We recommends minimum of 1m cable length for stable antenna performance.



2. Specification

Electrical

LTE Part:

Frequency Range	698-960MHz/1710-2170MHz/2500-2800MHz /3400-3600MHz
Gain 1	1.2dBi / 698-960MHz
Gain 2	1.5dBi / 1710-2170MHz,
Gain 3	2.5dBi / 2500-2800MHz
Gain 4	2.5dBi / 2800-3600MHz
V.S.W.R	≤2.0:1 Max:5.5
Radiation	Omni-direction
Polarization	Vertical
Maximum Input Power	50W
Impedance	50Ω

GPS(GLONASS) Part:

Frequency Range	1575.42MHZ±3 MHz/1602-1610MHz
Polarization Type	RHCP
Impedance	50Ω
LNA Gain	28±2dB Typical
Noise Figure	3-3.5dB
V.S.W.R	<2.0
DC Voltage	2.2-5.0V
DC current	5-15mA

Mechanical

Dimensions	Φ50×49mm
Weight	90g
Connector	SMA Male
Cable Type	LTE:RG316,GPS:RG174
Cable Length	1m
Antenna Radome Material	ABS
Mount way	Screw
Operating Temperature	-40°C to+70°C
RoHS Compliant	YES