

## **5-Port Screw-Mount 4G/3G/2G/WiFi/GPS/GLONASS/2.4/5GHz MIMO Antenna**

### **AC-GPS (GLONASS) /LTE2/WIFI2-CQX**

#### **1. Introduction**

The antenna is a five port antenna with two elements designed to cover the 698-960 and 1710-2700 MHz cellular bands, two elements designed to cover the 2.4-2.5 and 4.9-5.85 GHz WLAN bands and one GPS(GLONASS) element.

The antenna can be mounted on the roof of a vehicle or fixed structure.

The antenna meets or exceeds a variety of environmental ruggedization specifications for transportation applications.

This antenna is an omni-directional heavy-duty, fully IP67 waterproof external M2M antenna for use in telematics, transportation and remote monitoring applications.

The antenna has its own ground-plane and can radiate on any mounting environment like metal or plastic without affecting performance.

The cables are low loss allowing for lengths of up to 10 meters , critical for buses, trains and other commercial transport applications.

Customized cables and connector version available



### 2. Specification

#### Electrical

##### 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

##### WIFI Part:

Frequency range	2.4/5GHZ
V.S.W.R	<2.0
Gain	3/5dBi
Polarization	Linear
Impedance	50Ω

##### LTE Part:

Frequency range	698-960MHz, 1710-2700MHz
V.S.W.R	3 Max
Gain	3/5dBi
Polarization	Vertical
Impedance	50Ω

#### Mechanical

Housing	Black
Cable	GPS:RG174 LTE&WIFI:RG58
Length	3m standard ,fully customizable
Connector	SMA(M) standard,fully customizable
Operation Temperature	-40℃~+85℃
Humidity	65%-95%RH
Waterproof	IP67
Antenna Radome Material	ABS
Mount way	Screw
Antenna Dimension	Φ140×84.37mm
Weight	1.2KG