

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

Part No: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 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

Dielectric Antenna

Frequency Range	1575.42MHz±3 MHz/1602-1610MHz
Polarization Type	RHCP
Gain	5dBi
V.S.W.R	<2.0
Impedance	50Ω

LNA

GPS Part:	LNA Gain	28±2dB Typical
	Noise Figure	1.5dB
	Ex-band Attenuation	12dB@CF+50MHz/16dB@CF-50MHz
	V.S.W.R	<2.0
	Voltage	2.7/3.0/3.3/5.0/3.0 to 5.0 etc.
	Current Consumption(mA)	11 Max
	Impedance	50Ω
	DC current	5-15mA

WIFI Part:	Frequency range	2.4/5GHZ
	V.S.W.R	<2.0
	Gain	7dBi
	Polarization	Linear
	Impedance	50Ω

LTE Part:	Frequency range	698-960MHz,1710-2700MHz,3300-3800MHz
	V.S.W.R	2 Max
	Gain	3/5/7dBi
	Polarization	Vertical
	Impedance	50Ω

Mechanical

Housing	Black
Cable	GPS:RG174 LTE&WIFI:RG58
Length	3m standard ,fully customizable
Connector	SMA(M) standard,fully customizable