

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.

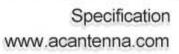
The antenna has its own ground-plane and can radiate on any mounting environment like metal or plastic without affecting performance.

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 connectorversion available



Wireless Solutions





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	50Ώ
	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	50Ώ
	DC current	5-15mA
WIFI Part:	Frequency range	2.4/5GHZ
	V.S.W.R	<2.0
	Gain	7dBi
	Polarization	Linear
	Impendance	50Ω
	Frequency range	698-960MHz,1710-2700MHz,3300-3800MHz
LTE Part:	V.S.W.R	2 Max
	Gain	3/5/7dBi
	Polarization	Vertical
	Impendance	50Ω
Mechanical		
	Housing	Black
	Cable	GPS:RG174 LTE&WIFI:RG58
	Length	3m standard ,fully customizable
	Connector	SMA(M) standard,fully customizable