

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

Frequency range 2.4/5GHZ

V.S.W.R <2.0

WIFI Part: Gain 7dBi

Polarization Linear

Impedance 50Ω

Frequency range 698-960MHz,1710-2700MHz,3300-3800MHz

V.S.W.R 2 Max

LTE Part: 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