

5 in 1 Combination M2M Low Profile MIMO 3G/4G/WiFi/GPS(GLONASS) Antennas

Part No:AC-GPS (GLONAS)/LTE2/WIFI2-BQXZJ

1. Introduction

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

It is unique in the market because it with high efficiency in a compact format.

This antenna screws down in permanently onto a roof or metal panel and can be pole or wall-mounted with a metal bracket.

For industries such as commercial vehicle telematics, remote monitoring, smart meter systems and construction equipment, it provides a robust, rugged antenna that is durable, even in extreme environments.



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

LTE Part:

Frequency range	698-960/1710-2700MHzx2
VSWR	<2.0
Gain	3dBix2
Polarization	Linear
Impedance	50Ω

WIFI Part:

Frequency range	2.4/5GHzx2
V.S.W.R	2.5
Gain	2x3dBi
Polarization	Linear
Impedance	50Ω

Mechanical

Housing	Black
Cable	2xRG316/RG178/RG174
Length	2x 3M or can be customization
Connector	2xSMA Male or can be customization

Environmental

Operation Temperature	-40℃~+85℃
Humidity	65%-95%RH
Waterproof	IP67
Antenna Radome Material	ABS
Mount way	Wall Mount
Antenna Dimension	Φ143.6×65mm
Weight	1.2KG
RoHS Compliant	YES