



GPS GLONASS LTE WIFI 3 in 1 Combination Antenna

Part No:KF-GPS(GLONASS)/LTE/WIFI-CQX

1. Introduction

The antenna is a three port antenna with two elements designed to cover the 698-960 and 1710-2700 MHz

cellular bands,cover the 2.4-2.5 and 4.9-5.85 GHz WLAN bands,one elements designed to GPS.

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:	Dielectric Antenna	
	Frequency Range	1575MHz/1602MHz
	Polarization Type	RHCP
	Gain	5dBi
	V.S.W.R	<1.5
	Impedance	50Ω
	LNA	
	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
LTE Part:	Frequency range	698-960/1710-2700MHz
	V.S.W.R	<2.0
	Gain	3/5/7dBi
	Polarization	Linear
	Impedance	50Ω
WIFI Part:	Frequency range	2.4/5GHz
	V.S.W.R	<2.5
	Gain	7dBi
	Polarization	Linear
	Impedance	50Ω



Mechanical

Housing	Black
Cable	RG174 for GPS/GLONASS 2x RG58 for LTE/WIFI
Length	3x4M
Connector	3xSMA Male

Environmental

Working Temp	-40°C~+80°C
Humidity	55%-75%RH
Waterproof	IP67
Antenna Radome Material	ABS
Mount way	Screw&Adhesive
Antenna Dimension	Φ140×84.5mm
Weight	1.2kg
RoHS Compliant	YES