

MULTI-SYSTEMS ANTENNA MODULE

LTE MIMO, WIFI MIMO, and GPS ANTENNAS

AN-MOB-030

MIMO LTE antennas

One GPS active antennas

MIMO WIFI antennas



Bus, Rail, Train, and RV



Truck, Trailer



Boat

Features:

MIMO LTE:

Frequency Band: 700-960 MHz, 1500 MHz, 1710-2170 MHz, 2500-2700 MHz.

High Efficiency / Good antenna gain / Low loss cable CFD 195 / High Isolation

Active GPS:

Good Patch antenna gain / High LNA Gain 30 dB / Out-band rejection up to 65 dB

SAW1+LNA 1 + SAW2 + LNA 2 configuration to avoid saturation

MIMO WIFI:

High Efficiency / Good antenna gain / Low loss cable CFD 200 / High Isolation

Roof- top magnetic mounted type

Antenna Specifications:

Item	GPS Antenna	LTE 1&2 Antennas	WIFI 1&2 Antenna
Band	1575 + -1.023 MHz (Ceramic Patch + two SAW + two high gain LNA)	698 -960 MHz 1710 -2170 MHz 2500 -2700 MHz	2400 -2500 MHz 5150 -5850 MHz
Gain: (typ.) LNA/Patch	30 dB/ 4 dBi	3.5 dBi : 698 -960 MHz 5 dBi : 1710 -2170 MHz 5 dBi : 2500 -2700 MHz Based on 60 CM CFD 195 cable	5 dBi : 2.4 -2.5 GHz 5 dBi : 5.1 5-5.85 GHz Based on 60 CM CFD 195 cable
N.F. (typ.)	2.5 dB	X (Not available)	
Filter	>65 dB @ f-fo >100 MHz fo = 1575 MHz		
Polarization	RHCP	Linear	Linear
VSWR	<2	<2	<2
Impedance	50 Ohm	50 Ohm	50 Ohm
Cable /Connector	RG174: 5 M / SMA Male	CFD 200: 5 M / SMA Male	CFD 200: 5 M / SMA Male
DC/Current	3-5 V/ 10 -25 mA	(X Not available)	(X Not available)
Housing	Black ABS		
Dimensions	Height/ Diameter : 100 mm / 142 mm		
Protection Class	IP65 (IP67 is available)		
Operation Temperature	-25 °C ~ 85 °C		
Storage Temperature	-25 °C ~ 85 °C		
Relative Humidity	20% ~ 95%		

Appearance:

unit: mm

