

# GPS-9012

## 3-in1 Roof-mounted Multiband Shark Fin Antenna (Cellular/WLAN/GNSS)

Roof mounted 3-in-1 combination shark fin antenna base with Cellular, WLAN and Active GNSS Antennas. High quality compact construction desinged for through hole mounting.

Multiple bands in one installation

- Cellular
  - 5G 700/800/900/1800/2100/2600/3500 MHz
  - LTE 700/800/1800/1900/2600 MHz
  - GSM 850/900/1800/1900 MHz
  - UMTS 700/800/900/2100 MHz
- WLAN
  - IEEE 802.11 a/b/g/h/j/n/p/ac
- GNSS
  - GLONASS, GPS, Galileo and BeiDou



## ELECTRICAL SPECIFICATIONS

Type	Shark Fin Combination Antenna
Frequency	698 - 960 MHz, 1710 - 2170 MHz, 2500 - 2690 MHz, 3400 - 3800 MHz (Cellular) 2400 - 2485 MHz, 5250 - 5850 MHz (WLAN) 1552 - 1608 MHz (GNSS)
Bandwidth	See 'FREQUENCY'
VSWR	< 3.0:1
Impedance	50 Ohm
Satellite System	GLONASS, GPS, Galileo and BeiDou
Polarisation	Vertical (Cellular, WLAN), Right Hand Circular (RHC) (GNSS)
Gain	0 dBd, 2.15 dBi (698-960 MHz) 3 dBd, 5.15 dBi (1710 - 2170 MHz, 2400 -2485, 2500-2690 MHz) 4 dBd, 6.15 dBi (3300-3800 MHz, 5250 -5850 MHz)
Max. Input Power	10 W (Cellular, WLAN) (TBC)
LNA Gain	26 dB
Noise Figure	<1.5 dB (GNSS)
Supply Voltage	2.7 - 5.1 VDC (Fed via cable) (GNSS)
Current Consumption, Average	13 mA @ 3.0 VDC (GNSS)

## Datasheet

2 / 2

## MECHANICAL SPECIFICATIONS

Color	Black
Dimensions	140 x 62 x 52 mm
Weight	330 g
Mounting Place	On vertical or horizontal surfaces (conductive or non-conductive). E.g. car roofs, metering cabinets and brackets
Mounting Hole	15 x 15 mm or Ø 19.0 mm
Materials	Aluminum (6082), PA, Fibreglass, PCB, Brass, PE
Operating Temperature	-40 to +80°C
Connector	SMA-male (Cellular, WLAN, GNSS)
Cable	350 mm RG316 (Cellular, WLAN, GNSS)
Ingress Protection	IP65 (When mounted)
Serial No.	On product label

## ORDERING INFORMATION

GPS-9012	In Box
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