

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

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|------------------------------|--|
| 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

MECHANICAL SPECIFICATIONS

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|-----------------------|--|
| 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

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| GPS-9012 | In Box |
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