

Item no.: GPSD-6-60-DW

GPSD-6-60-DW - 2x2 MiMo 4G/5G + GPS/GNSS + Whip Mounting + 2x2 MiMo WiFi Antenna

from **234,29 EUR**

Item no.: GPSD-6-60-DW
shipping weight: 0.60 kg
Manufacturer: Panorama Antennas



Product Description

GPSD-6-60-DW - 2x2 MiMo 4G/5G + GPS/GNSS + Whip Mounting + 2x2 MiMo WiFi Antenna

The GPSD 'Sharkee' range has become a byword for industry leading technology in discrete OEM style shark fin housing. The GPSD-6-60 brings 5G capability to the GPSD family. The antenna should be installed on a metal panel when a comms whip is used, but if whip is not required, then it may be fitted on a non-metallic panel and still offer similar performance.

The shark fin housing contains a 2x2 MiMo antenna function for 4G/5G (617- 960/1710-6000 MHz) and 2x2 MiMo dual-band WiFi which supports WiFi 6. An active antenna for GPS/GLONASS/Galileo/ BeiDou is included, with 26 dB gain LNA and advanced filtering for LTE band 13/14 operation. In addition, there is an integral stud mount for an external antenna whip that can support a range of VHF, UHF, or 700/800 MHz antennas. A blanking cap is supplied for when this is not required.

Requiring only a single hole mounting, the GPSD reduces vehicle damage, installation time & cost, and visual impact whilst protecting a vehicle's resale value.

Electrical Data

- Frequency range (MHz): Element 1: 1562-1612; Elements 2 & 3: 2x 617-960, 1710-6000; Elements 4, 5, 6 & 7: 2x 2.4/5.0/7.1 GHz; Whip: Dependent on selected whip
- Peak gain (isotropic*): Elements 2 & 3: 5 dBi (617-960 MHz), 8 dBi (1710-3800 MHz), 9 dBi (4900-6000 MHz); Elements 4, 5, 6 & 7: 5 dBi (2396-2485 MHz), 11 dBi (4900-7200 MHz)
- Isolation**: 4G/5G: >12 dB; WiFi: >15 dB
- Typical efficiency* w/o cable loss: Elements 2 & 3: >40% (617-698 Mz), >60% (698-960/1710-6000 MHz)
- Correlation co-efficient: Elements 2 & 3: <0.2
- Polarisation: Vertical
- Pattern: Omni-directional
- Impedance: 50 Ω
- Max. input power (W): Internal elements: 10 W; Main whip: 60 W

GPS/GNSS Data

- Frequency range (MHz): 1562-1612
- VSWR: <2.1 ± 4 MHz
- Gain (LNA): 26 dB
- Polarisation: Right hand circular
- Out of band rejection: >40 dB (+/-100 MHz f); Notch filter @ 787 MHz - 23 dB
- Operating voltage: 3-5 V DC (fed via coax)
- Current typical: <20 mA

Mechanical Data

- Dimensions (mm), installed: Total height (excl. whip): 90 (3.54"); Length: 243 (9.56"); Width: 63 (2.48")
- Operating temperature (°C): -40°C/+80°C (-40°F/176°F)
- Material: ASA, silicone rubber, aluminium alloy
- Colour: Black
- Ingress protection: IP66

Mounting Info

- Fixing: Panel mount
- Hole size (mm): 19 (3/4")

Cable Data

- Cable type, all feeds: FR RG174 (UN ECE R 118 compliant)
- Dimensions (mm): Diameter: 2.8 (0.11"); Length: 300 mm (12")
- Termination: Whip: FME (m); GPS/GNSS: FME (f); 4G/5G: 2x SMA plug; WiFi: 2x SMA (f)

Specifications

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All details, up-to-date
prices and availability

