

Item no.: GPSD4-6-60-Q

GPSD4-6-60-Q - 4x4 MiMo 4G/5G Sharkfin Antenna (4x WiFi)

from **325,74 EUR**

Item no.: GPSD4-6-60-Q
shipping weight: 0.50 kg
Manufacturer: Panorama Antennas



Product Description

GPSD4-6-60-Q - 4x4 MiMo 4G/5G Sharkfin Antenna (4x WiFi)

The GPSD4-6-60-Q is an advanced 4G/5G, GPS/GNSS and WiFi antenna with a sharkfin style housing. The housing contains a 4x4 MiMo antenna function for 4G/5G (617-960/1427-6000 MHz), up to 6x6 MiMo dual-band WiFi, which supports WiFi 6e. It can include up to 4x active antennas for GPS/GLONASS/Galileo/BeiDou each 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. A blanking cap is supplied for when this whip position is not required.

The antenna should be installed on a metal panel when a comms whip is used, but if a whip is not required, then it may be fitted on a non-metallic panel and still offer similar performance.

The shark fin design provides multiple antenna functions while remaining discreet and is suitable for public safety (overt/covert), industrial and transport applications where a cost-effective, efficient and robust antenna is essential. Requiring only a single hole mounting, the antenna reduces vehicle damage, installation time, cost and visual impact whilst protecting a vehicle's resale value.

Electrical Data

- Frequency range (MHz): GPS/GNSS elements: 1x 1562-1612; 4G/5G elements: 4x 617-960, 1427-6000; WiFi elements: 4x 2.4/5.0/7.1 GHz; Whip: Dependent on whip
- Peak gain: Isotropic; 4G/5G elements: 5 dBi (617-960 MHz); 8 dBi (1427-4200 MHz); 9 dBi (4900-6000 MHz); WiFi elements: 7 dBi (2396-2485 MHz), 11 dBi (4900-7200 MHz)
- Isolation: 4G/5G elements: > 8dB (617-960 MHz), > 15dB (1427-6000 MHz); WiFi elements: > 15 dB
- Typical efficiency w/o cable loss: 4G/5G elements: > 40% (617-698 MHz), > 70% (698-960/1710-6000 MHz)
- Correlation co-efficient: 4G/5G elements: <0.25
- Polarisation: Vertical
- Pattern: Omni-directional
- Impedance: 50 Ω
- Max. input power (W): Internal elements 5 W/main whip 60 W

GPS/GNSS Data

- Frequency range (MHz): 1562-1612
- 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) 82 (3.2"); Length: 253 (9.96"); Width: 142 (5.56")
- Operating temp. (°C): -40/+80 (-40°F/176°F)
- Material: ASA, silicone rubber, aluminium alloy
- Colour: Black
- Ingress protection: IP69K

Mounting Info

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

Cable Data

- Cable type - all pigtails: FR RG174 (UN ECE R 118 compliant)
- Dimensions (mm): Diameter: 2.8 (0.11"); Length: 300 mm (12")
- Termination: Whip: 1x FME (m); GPS/GNSS: 1x FME (f); 4G/5G: 4x SMA plug; WiFi: 4x SMA (f)

Specifications

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All details, up-to-date
prices and availability

