

# Panorama 4G-5G 2x2 MIMO, Sharkfin Antenna with External VHF Whip Port, 617 to 6000 MHz

SKU: ANT-PA-00107

MPN: GPSD-6-60

## Description

The Panorama 4G-5G 2x2 MIMO Sharkfin Antenna with External VHF Whip Port is a versatile antenna solution designed for enhanced connectivity across a broad frequency range of 617 to 6000 MHz. Its primary application is in providing robust and reliable cellular communication for both 4G and 5G networks, making it ideal for various industrial, transport, and public safety applications where consistent connectivity is crucial. The inclusion of a 2x2 MIMO configuration facilitates improved data throughput and network reliability, which is particularly beneficial in high-density environments.

The antenna is equipped with an external VHF whip port, allowing for additional customisation and application-specific enhancements. Its durable construction, featuring ASA plastic and aluminium, ensures resilience in harsh conditions, while its IP69K ingress protection rating guarantees protection against dust and high-pressure water jets, making it...

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## Panorama Antennas

Panorama's constant cutting-edge research ensures that our antennas meet the demands of the very latest communication technologies. Trusted by thousands of professionals and consumers the world over, our antennas are depended upon to provide communications even in the most challenging conditions.

Currently, Panorama specialises in professional antenna solutions for modern communications ...

# RF Specification

## Cellular

|                  |          |                  |              |
|------------------|----------|------------------|--------------|
| Start Frequency: | 617 MHz  | Polarisation:    | Vertical (V) |
| Stop Frequency:  | 6000 MHz | Input Impedance: | 50           |

## RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|--------|
| 1     | SMA Male     | Straight   | RG-174       | 300 mm |

## GPS/GLONASS/Galileo/BeiDou

|                  |          |                  |                            |
|------------------|----------|------------------|----------------------------|
| Start Frequency: | 1562 MHz | Input Impedance: | 50                         |
| Stop Frequency:  | 1612 MHz | Polarisation:    | Right Hand Circular (RHCP) |

## Low Noise Amplifier (LNA)

|           |         |                         |     |
|-----------|---------|-------------------------|-----|
| LNA Gain: | 26 dBic | Min. Operating Voltage: | 3 V |
|           |         | Max. Operating Voltage: | 5 V |

## RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|--------|
| 1     | FME Female   | Straight   | RG-174       | 300 mm |

# Physical Specification

|                             |                    |                            |                              |
|-----------------------------|--------------------|----------------------------|------------------------------|
| Subtype:                    | Fin / Stud / Combo | Dimensions:                | 90 x 243 x 63 (H x L x W mm) |
| Input Ports:                | 2                  | Ingress Protection:        | IP69K                        |
| MIMO:                       | 2x2 MIMO           | Materials:                 | ASA Plastic, Aluminium       |
| Min. Operating Temperature: | -40 °C             | Mounting:                  | Stud / Bulkhead / Panel      |
| Max. Operating Temperature: | 80 °C              | Compliance/Certifications: | RoHS                         |

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