

# Budget Survey Tripleband GNSS Antenna (IP66)

Includes:

- Budget Survey GNSS Tripleband antenna (IP66)
- 2.5m pigtail cable with TNC to SMA connector



More info about the product!



Budget Survey Tripleband GNSS Antenna (IP66) SKU is: AS-ANT3B-BUDSUR-L1L2L5-25SMA-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at [info@ardusimple.com](mailto:info@ardusimple.com) to get a quote.

## Description

Survey grade and low cost Triple band (L1, L2, L5) active GNSS antenna with TNC connector and 2.5m cable terminated with SMA male. Supports GPS, GLONASS, Galileo, and BeiDou. Perfect match for Septentrio Mosaic-X5 and Unicorecomm UM980 boards.

Good to know:

- Compatible with all ArduSimple GNSS and RTK boards as well as any other multiband GNSS receiver in the market.

## Specifications

### 3B Survey Budget antenna

#### Antenna element

- Supported positioning signal bands:
  - GPS: L1, L2, L5
  - GLONASS: G1, G2, G3
  - BeiDou: B1, B2, B3
  - Galileo: E1, E5
  - QZSS: L1, L2
  - Navic: L5
  - SBAS: WAAS, EGNOS, MSAS, GAGAN and SouthPAN
- Polarization: RHCP
- Peak gain: 5dBi
- Axial Ratio @ zenith: <3dB
- Azimuth Coverage: 360 degrees
- Impedance: 50 ohm
- Phase center error: ±3mm

#### Electrical

- Supply voltage: 3-5.5V
- Typical supply current @ 3V: 50mA
- Average LNA gain: 40dB
- Maximum Noise Figure: 1.5dB
- Maximum VSWR: 2

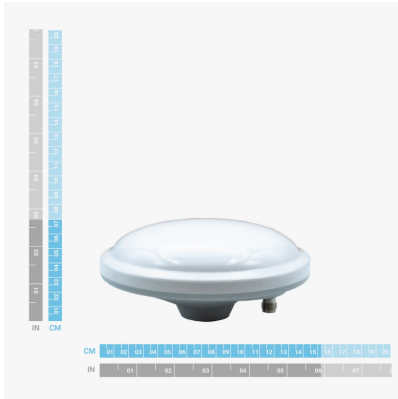
#### Mechanical

- Maximum length: 147mm
- Weight: 390g
- Mounting style: Magnetic base ([requires accessory](#)) or 5/8" x 11TPI thread
- Connector: TNC female
- Cable length: Includes 2.5 meter cable terminated in SMA male

#### Environmental

- Operating Temperature: -40 to +85°C
- Storage Temperature: -40 to +85°C
- IP Rating: IP66 (excluding air vent in screw hole, which can be sealed when installed)
- RoHS: Yes

## Image Gallery



## Documentation

User Guide	<a href="https://www.ardusimple.com/gps-gnss-antenna-installation-guide/">https://www.ardusimple.com/gps-gnss-antenna-installation-guide/</a>
Download CAD model	<a href="https://www.ardusimple.com/wp-content/uploads/2024/08/AS-ANT3B-BUDSUR-L1L2L5-25SMA-00-R00.step">https://www.ardusimple.com/wp-content/uploads/2024/08/AS-ANT3B-BUDSUR-L1L2L5-25SMA-00-R00.step</a>

Budget Survey Tripleband GNSS Antenna (IP66) includes free basic technical support. Contact [info@ardusimple.com](mailto:info@ardusimple.com) for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.

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