

# Calibrated Survey GNSS Tripleband + L-band antenna (IP67)

Includes:

- Calibrated Survey GNSS Tripleband + L-band antenna (IP67)
- 1.5m pigtail cable with TNC to SMA connector
- 2.5m pigtail cable with TNC to TNC connector

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More info about the product!



Calibrated Survey GNSS Tripleband + L-band antenna (IP67) SKU is: AS-ANT3B-CAL-L1256-SMATNC-01

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

Calibrated by NGS Survey Quadband (L1/L2/L5/L6) GNSS antenna with 1.5m rugged cable with TNC to SMA connector and 2.5m rugged cable with TNC to TNC connector. Ideal for surveying applications including real time RTK, PPK, post-processing, but also for receivers supporting L-band.

Good to know:

- Compatible with all ArduSimple GNSS and RTK boards as well as any other multiband GNSS receiver in the market.
- Shockproof gel ring at the perimeter of the antenna to reduce damage in case of fall
- Antenna calibration files can be downloaded from NGS website (Manufacturer: ArduSimple, Model: AS-ANT3B-CAL-01): <https://www.ngs.noaa.gov/ANTCAL/index.xhtml#>
- This product is a cheaper alternative to Trimble Zephyr, AG15, AG25, or Novatel Vexxis antennas

AS-ANT3B-CAL-L1256-SMATNC-01 ASB-ANT3B-CAL-L1256-SMATNC-01

## Specifications

### 3B Survey Calibrated antenna

#### Antenna element

- Supported positioning signal bands:
  - GPS: L1, L2, L5, L6
  - GLONASS: G1, G2, G3
  - BeiDou: B1, B2, B3
  - Galileo: E1, E5, E6
  - QZSS: L1, L2
  - Navic: L5
  - L-band: L6
  - SBAS: WAAS, EGNOS, MSAS and GAGAN
- Polarization: RHCP
- Peak gain: 5.5dBi
- Axial Ratio @ zenith: <3dB
- Azimuth Coverage: 360 degrees
- Impedance: 50 ohm
- Phase center error: ±1mm
- Calibration file available

#### Electrical

- Supply voltage: 3-12V
- Typical supply current @ 3V: 50mA
- Average LNA gain: 40dB
- Maximum Noise Figure: 1.5dB
- Maximum VSWR: 2

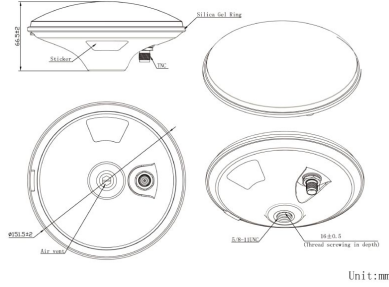
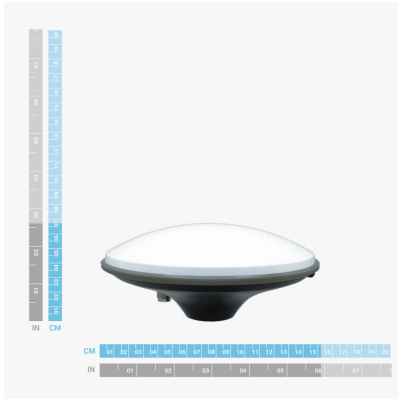
#### Mechanical

- Maximum length: 152mm
- Weight: 410g
- Mounting style: Magnetic base ([requires accessory](#)) or 5/8" x 11TPI thread
- Connector: TNC female
- Cable length:
  - Includes 1.5 meter cable terminated in SMA male
  - Includes 2.5 meter cable terminated in TNC male

#### Environmental

- Operating Temperature: -40 to +85°C
- Storage Temperature: -40 to +85°C
- IP Rating: IP67 (excluding air vent in screw hole, which can be sealed when installed)
- RoHS: Yes

## Image Gallery



## Documentation

User Guide <https://staging.ardusimple.com/gps-gnss-antenna-installation-guide/>

Download CAD model [https://staging.ardusimple.com/wp-content/uploads/3D\\_CAD/AS-ANT3B-CAL-L1256-SMATNC-01-R00.STEP](https://staging.ardusimple.com/wp-content/uploads/3D_CAD/AS-ANT3B-CAL-L1256-SMATNC-01-R00.STEP)

Calibrated Survey GNSS Tripleband + L-band antenna (IP67) 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.