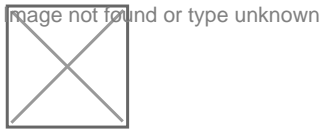# Budget Survey GNSS Multiband antenna (IP66)

Includes:
- Survey dualband external GNSS antenna
- 2.5m pigtail cable with TNC to SMA connector

More info about the product!

Budget Survey GNSS Multiband antenna (IP66) SKU is: AS-ANT2B-SUR-L1L2-25SMA-00

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

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Page 1 of 5

Description

Survey grade and low cost Dual band (L1, L2/E5b/B2I) active GNSS antenna with TNC connector and 2.5m cable terminated with SMA male. Supports GPS, GLONASS, Galileo, and BeiDou. Perfect match for u-blox ZED-F9P and Septentrio Mosaic-H boards.

Good to know:
- Compatible with all simpleRTK2B boards as well as any other multiband GNSS receiver in the market.
- Bulk pricing starting 50 units

AS-ANT2B-SUR-L1L2-25SMA-00 ASB-ANT2B-SUR-L1L2-25SMA-00

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Specifications

2B Survey Budget antenna
Antenna element

- Supported positioning signal bands:
    - GPS: L1, L2
    - GLONASS: G1, G2
    - BeiDou: B1, B2
    - Galileo: E1, E5b
    - QZSS: L1, L2
    - SBAS: WAAS, EGNOS, MSAS and GAGAN
- 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
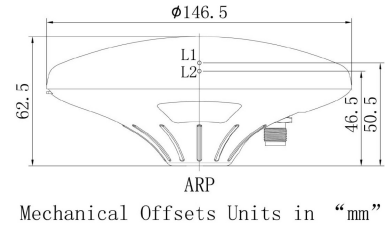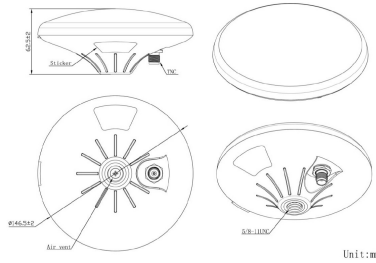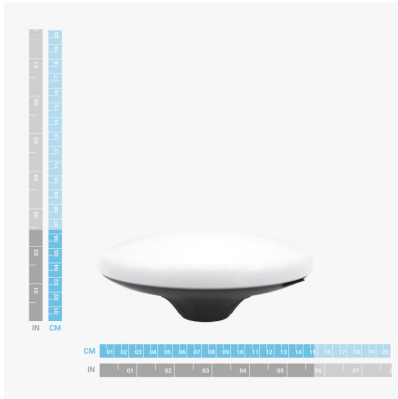- Average LNA gain: 40dB
- Maximum Noise Figure: 1.5dB
- Maximum VSWR: 2

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

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Image Gallery

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Page 4 of 5

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-ANT2B-SUR-L1L2-25SMA-00-R00.STEP

Budget Survey GNSS Multiband antenna (IP66) includes free basic technical support. Contact 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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Page 5 of 5