

u-blox GNSS Tripleband + L-band antenna ANN-MB2-00

Includes:

- RTK external GNSS antenna with 5m cable with SMA connector



More info about the product!



u-blox GNSS Tripleband + L-band antenna ANN-MB2-00 SKU is: AS-ANT3B-ANNMB2-L1256-50SMA-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.

Description

u-blox ANN-MB2-00 full band (L1, L2, L5, Lband) active GNSS antenna with excellent price performance ratio and IP67 protection. Supports GPS, GLONASS, Galileo, and BeiDou. Perfect match for u-blox X20, Septentrio Mosaic-X5 and Unicore UM980 boards.

Good to know:

- Compatible with all ArduSimple boards as well as any other multiband GNSS receiver in the market.
- Available with custom cable length or different connector (Fakra, uFL, etc)
- Bulk pricing starting 50 units

Specifications

ANN-MB2

Antenna element

- Supported positioning signal bands:
 - GPS: L1, L2, L5
 - 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
- Frequency range:
 - 1535-1602 MHz
 - 1166-1285 MHz
- Polarization: RHCP
- Peak gain: 4.5dBi (without ground plane)
- Axial Ratio @ zenith: <3dB
- Azimuth Coverage: 360 degrees
- Impedance: 50 ohm

Electrical

- Supply voltage: 3-5V
- Typical supply current @ 3V: 15mA
- Average LNA gain: 31dB
- Maximum Noise Figure: 3dB
- Maximum VSWR: 2

Mechanical

- Maximum length: 109mm
- Weight: 260g
- Mounting style: magnetic base or 2x5.5mm holes
- Cable length: 5 meters
- Connector: SMA male

Environmental

- Operating Temperature: -40 to +85°C
- Storage Temperature: -40 to +85°C
- IP Rating: IP67
- RoHS: Yes

Image Gallery



Documentation

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

Download CAD model <https://www.ardusimple.com/wp-content/uploads/2024/10/AS-ANT3B-ANNMB2-L1256-50SMA-00-R00.step>

u-blox GNSS Tripleband + L-band antenna ANN-MB2-00 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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