

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

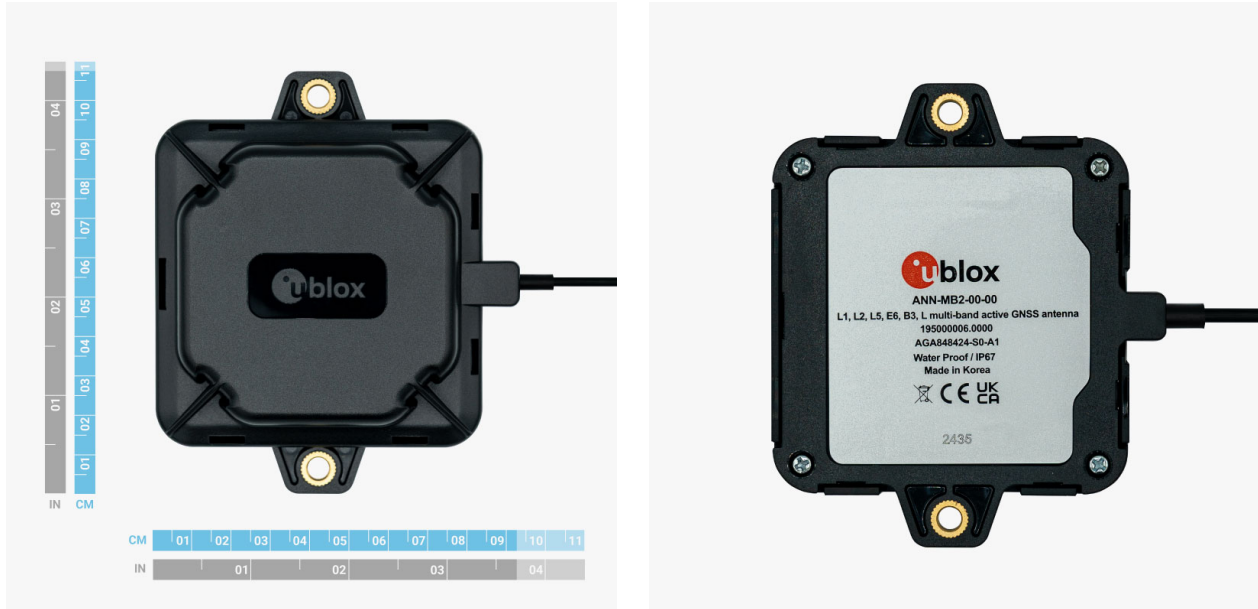
Mechanical

- 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.
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