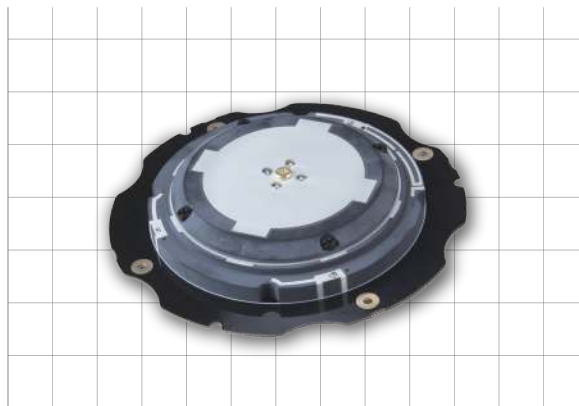


AT410 GNSS Antenna

GNSS Antenna Ver.2021.03.11

26 mm



135 mm

Dimension¹: $\Phi 135 \times 26$ mm

Weight: ≤ 200 g

AT410 GNSS Antenna

The AT410 is a high-performance four-in-one GNSS antenna that can track GNSS, Bluetooth, Wi-Fi and 4G. With flexible transmission and strong positioning capability, it is specifically designed to simplify the development of positioning-related applications for integrators.

Features

GNSS, Bluetooth, Wi-Fi and 4G four-in-one GNSS antenna.

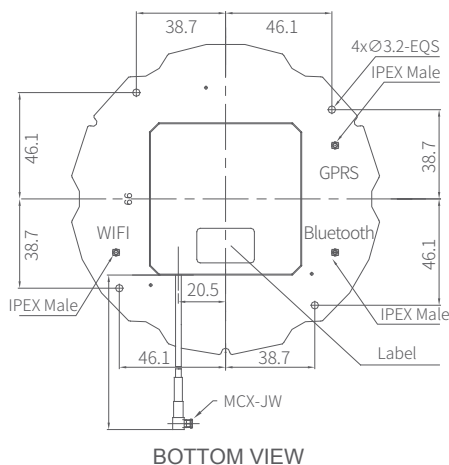
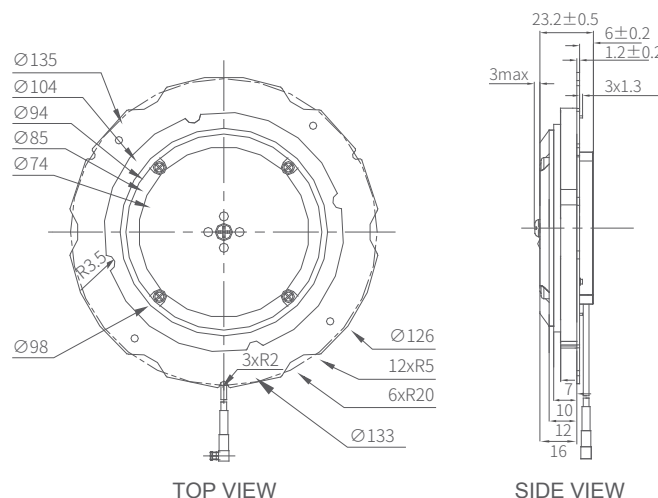
Support GPS L1/L2/L5, GLONASS L1/L2, BeiDou B1/B2/B3, BeiDou Global B1C/B2a, Galileo E1/E5a/E5b/AltBoC, QZSS L1/L2/L5, IRNSS, SBAS and L-Band

Easy for integration

Low noise amplifier and high gain

Sub-millimeter level phase center error with outstanding stability and repeatability

AT410 GNSS Antenna Structure Drawing (mm)



SinoGNSS[®]
By ComNav Technology Ltd.

AT410 GNSS Antenna

GNSS Antenna Ver.2021.03.11

Antenna

GPS	L1, L2, L5
GLONASS	L1, L2
Beidou	B1, B2, B3
BeiDou Global	B1C, B2a
Galileo	E1, E5a, E5b, AltBoC
QZSS	L1, L2, L5
IRNSS	
SBAS, L-Band	
Bluetooth, WiFi, 4G	
Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio (90°)	≤ 3dB

Physical

Dimension ¹	Φ135×26 mm
GNSS Connector	MCX male connector
Bluetooth connector	IPEX male connector
WIFI Connector	IPEX male connector
4G Connector	IPEX male connector
Weight	≤ 200 g

LNA

LNA Gain	40dB ± 2dB
Noise Figure	≤ 2dB
VSWR Output	≤ 2.0
Operation Voltage	3.3 - 12 VDC
Operation Current	≤ 45mA
Group Delay	< 5ns
Passband Ripple	± 2dB
Gain at Zenith	-GNSS: 5.5dBi -BT/WIFI: 1dBi -4G: 0.5dBi
Phase Center Offset	± 2mm

Environmental

Operating Temperature	-40 C to +85 C
Storage Temperature	-55 C to +85 C
Humidity	95% No-condensing