

Product Description

The T6-GL-C is a rugged combination antenna of GNSS and telecom LTE bands, which features excellent GPS Glonass signal quality and cellular 2G/3G/4G coverage. With anti-UV material and water ingress design, the combo antenna is easy to install and able to meet commercial and industrial standards.

Highlight

- ✓ Low profile screw-mount high-performance GNSS + Cellular combination antenna
- ✓ Proprietary-designed excellent GNSS signal reception quality and RF isolation
- ✓ Apply weather-resistance antenna enclosure material for harsh environment

Feature

- ✓ Central screw mount, easy installation.
- ✓ IPX7 fully waterproof
- ✓ Support GPS/GLONASS & 2G/3G/4G cellular frequency
- ✓ RF independent ground
- ✓ Application flexibility 1-cable, 2-cable and 3-cable are available

Applications

- ✓ Fleet management
- ✓ Telemetry
- ✓ Navigation
- ✓ Machine to machine, SCARDA
- ✓ IoT gateway, routers

T6-GL-C

Industrial-Grade GNSS & LTE MIMO Combination Antenna



Mechanical Specification

Dimension	68.2(dia.) x 36mm
Mounting	Screw through hole mount
Cable	RG-174/ LMR-100/ LMR-195
Connector	SMA plug or other standard RF connectors
Enclosure	ASA material - Industrial-grade plastic material
Operation Temperature	-35°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

Electrical Specification - Cellular

Frequency	698~960 & 1710~2170MHz
Gain	698~960MHz: 0.7dBi 1710~2170MHz: 5.5dBi
Efficiency	698~960MHz: 36% 1710~2170MHz: 66%
Impedance	50Ω
VSWR	<2.0
Polarization	Linear

T6-GL-C

Industrial GNSS & LTE MIMO Combo Antenna



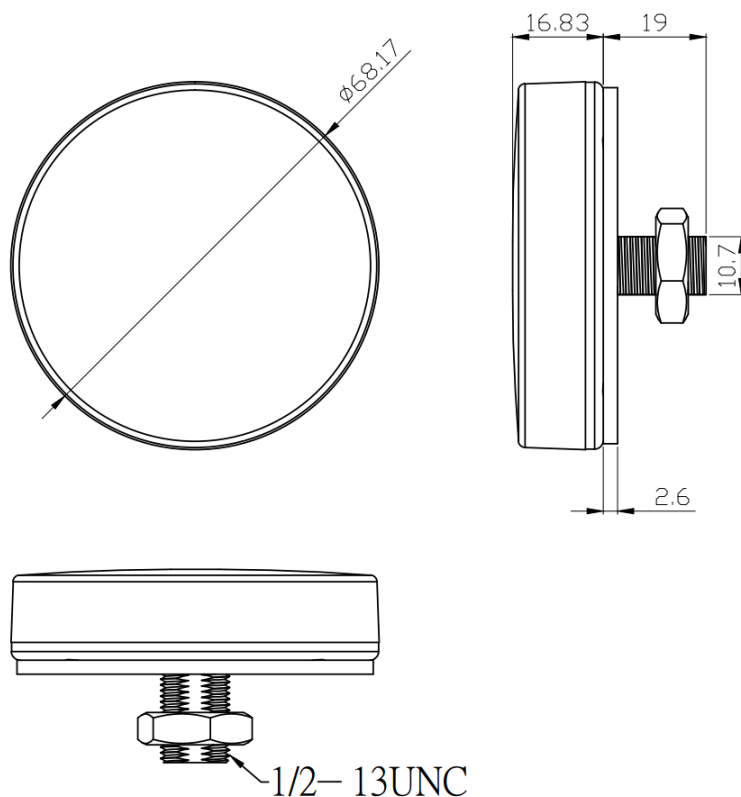
Electrical Specification - GPS

Frequency	GPS L1: $1575.42 \pm 1.023\text{MHz}$ GLONASS L1: $1602 + 0.5625 * K \text{ (MHz)}$
VSWR	≤ 1.5
Peak Gain	4.5dBi
Polarization	R.H.C.P.
Impedance	50Ω

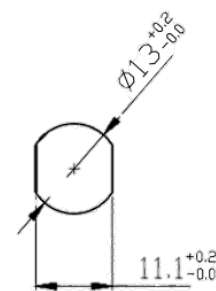
LNA Specification

LNA Gain	$28 \pm 2\text{dB}$
VSWR	< 1.5
Noise Figure	< 1.5
DC Voltage	2.7 ~ 5V
Current Consumption	8 ~ 13 mA

Antenna Physical Drawing



NOTE: Cable length & connector type can be changed upon requests.



Recommended Mounting Hole