

## T8-GLW-C

### Product Description

The T8-GLW-C is a rugged combination antenna of GNSS and telecom LTE bands, which features excellent GPS GIONASS signal quality and cellular 2G/3G/4G coverage, MIMO LTE and MIMO WiFi. With anti-UV material and water ingress design, the combo antenna is easy to install and able to meet commercial and industrial standards.

### Highlight

- ✓ Central screw mount, easy installation
- ✓ Zinc alloy die casting antenna base.
- ✓ IPX7 Waterproof
- ✓ Support GPS/GLONASS, WiFi 2.4/5.8GHz and MIMO LTE
- ✓ RF independent grounded
- ✓ Application flexibility: 1 lead, 2 leads, 3 leads, 4 leads, and 5 leads version are optional (1xGNSS, 2xLTE, 2xWiFi)
- ✓ Apply weather-resistance antenna enclosure material for harsh environment.
- ✓ Proprietary-designed excellent GNSS signal reception quality and RF isolation.

### Applications

- ✓ Navigation and data communication
- ✓ Vehicle tracking & Fleet management
- ✓ Machine-to-machine, SCARDA
- ✓ IoT Gateway, routers

## Industrial-grade Multi-system Low Profile Combo Antenna



Compliant



Isolation



Anti-UV



IP67



### Mechanical Specification

Dimension	116 (dia.) x 57mm
Mounting	Screw Mount
Cable	RG-174, RG-58, LMR-195
Connector	SMA or other RF connectors
Enclosure Material	ASA
Operating Temperature	-35°C to 85°C
Storage Temperature	-40°C to 85°C

### Multi-System Antenna Specification



#### Accessories

- Screw
- Washer
- Waterproof gasket

#### LTE Specification (Main)

LTE Main		
Frequency (MHz)	698~960	1710~2690
Peak Gain	1.2dB	7.31dB
Efficiency	35.5%	88.3%
Impedance	50 ohm	
VSWR	< 2.0	
Polarization	Linear	

#### LTE Specification (Diversity)

LTE Diversity		
Frequency (MHz)	698~960	1710~2690
Peak Gain	0.5dB	6.36dB
Efficiency	37.8%	63.46%
Impedance	50 ohm	
VSWR	< 2.0	
Polarization	Linear	

#### WiFi Specification

WiFi#1		
Frequency (MHz)	2400-2500	5150-5850
Peak Gain	2.95dB	6.0dB
Efficiency	58.83%	77.82%
WiFi#2		
Frequency (MHz)	2400-2500	5150-5850
Peak Gain	3.7dB	5.88dB
Efficiency	60.26%	69.2%
Impedance	50 ohm	
VSWR	< 2.0	
Polarization	Linear	

#### GPS & GLONASS Specification

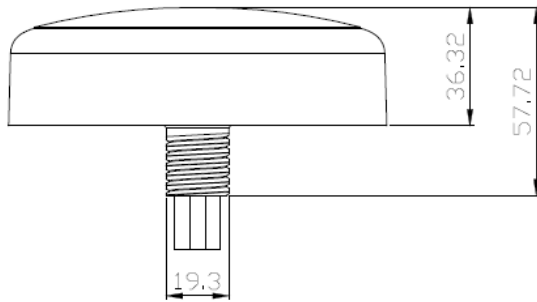
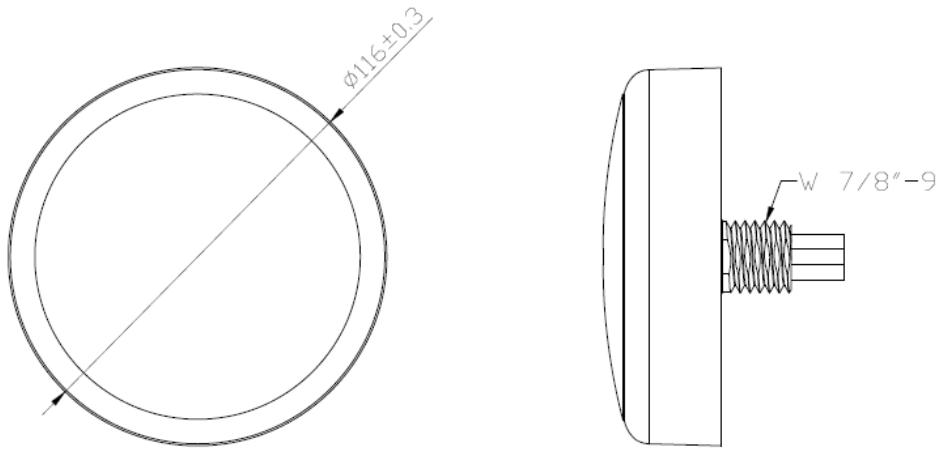
Antenna	
Frequency (MHz)	GPS L1: 1575.42, GLONASS L1: 1602
VSWR	≤ 1.5
Gain (Peak)	4.5dBi
Polarization	R.H.C.P.
Impedance	50 ohm
LNA	
LNA Gain	28±2dB
VSWR	<1.5
Noise Figure	<1.5
DC Voltage	2.7~5V
DC Current	8~13mA

# T7-GLW-C

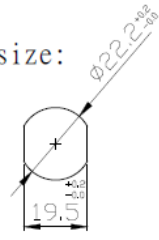
Industrial-grade Multi-System Combo Antenna



## Physical Antenna Drawing



Recommended mounting hole size:



Reference:

