SANTA FE
TECHNOLOGIES

T7-GLW-C

Industrial-grade Multi-system Combo Antenna

RoHS Compliant | RF Isolation | Anti-UV | water proof IP67

Product Description

The T7-GLW-C is a rugged combination antenna of GNSS, WiFi, and telecom LTE bands, which features excellent GPS /GLONASS signal quality, WiFi, and MIMO LTE coverage. With anti-UV material and water ingress design, the combo antenna is easy to install and able to meet both 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 optional (1xGNSS, 2xLTE, 2xWiFi)

Applications

- ✓ Navigation and data communication
- ✓ IPX7 fully waterproof
- ✓ Support 2G /3G /4G cellular frequency
- ✓ Machine-to-machine, SCARDA
- ✓ IoT Gateway, routers

Mechanical Specification

Dimension	80 (dia.) x 47mm
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

Santa Fe Technologies, INC.
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Multi-System Antenna Specification

Accessories

- Screw
- Washer
- Waterproof gasket

LTE Specification (MIMO-Main)

MIMO LTE		
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 (MIMO-Diversity)

MIMO LTE		
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	

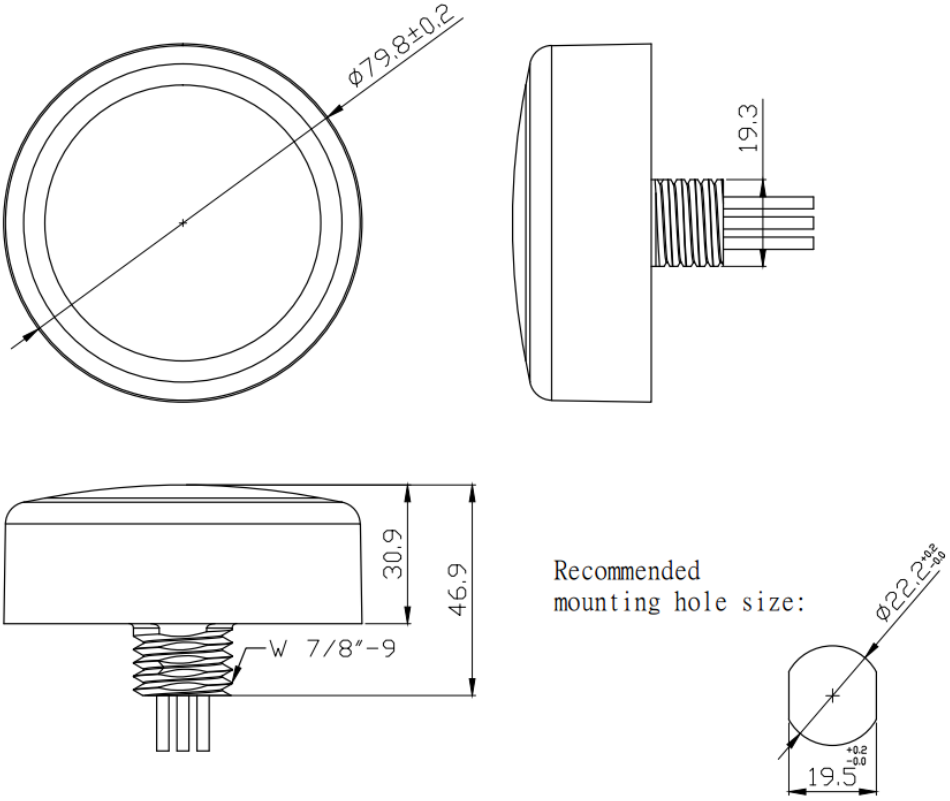
WiFi Specification

WiFi (can be upgraded to MIMO WiFi)		
Frequency (MHz)	2400-2500	5150-5850
Peak Gain	2.4dB	5.33dB
Efficiency	61.7%	62.4%
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

Physical Antenna Drawing



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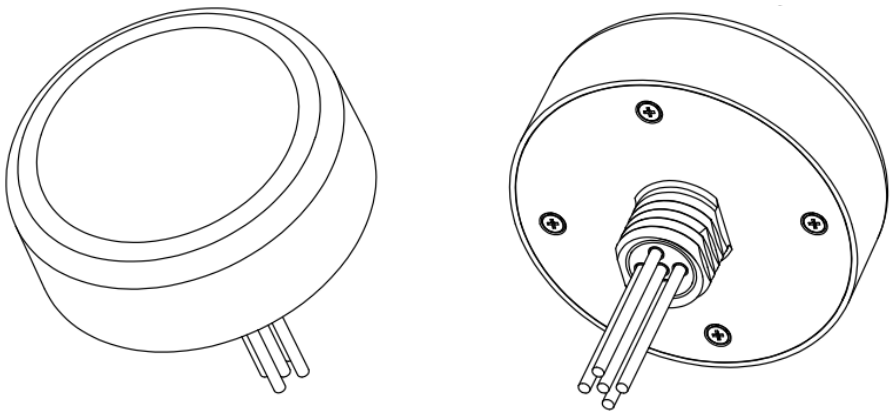

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