



SMW-305 multiband, 3-cable Cellular/LTE 700 MHz, WiFi & GPS

- 3 antennas in 1 antenna housing
- Covers GPS, Cellular/LTE/AWS, WiFi Public Safety 4.9 & DSRC 5.9 GHz
- Available in either Surface-mount (SMW Series) or Mag-mount (MGW Series)

The SMW-305 Series Antennas features 3-elements in one antenna radome. The unique feature of this model is that the cellular element (Cable 1) is extremely widebanded and can cover: LTE at 700 MHz as well as the established 850/1900 GSM/CDMA bands, 1.7/2.1 AWS bands and WiMAX 2.5 all on a single board.

In addition to covering all of the cellular bands on the first antenna element, the antenna also covers 2.4/5 dual-band WiFi on the second antenna element. Alternatively, the second element can be used for other specialized applications such as: Public Safety coverage at 4.9 GHz, or DSRC at 5.9 GHz.

The antenna is enclosed in a 4.2"D x 3.2"H (10.7 cm x 8.1 cm) weatherproof radome, and supplied with all mounting hardware and a sealing gasket. The radome is available in either black or white.

The antenna is available in either surface mount (SMW Series) or mag mount (MGW Series).

Model Configurator

SMW-305- - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-305-3C3C2C-WHT-180 (surface mount)
 MGW-305-3C3A2C-BLK-180 (mag mount)

Specify "SMWG" or "MGWG" instead of "SMW" or "MGW" for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
1	RG-58	A	TNC	WHT	White
2	RG-174	B	Mini UHF	BLK	Black
3	LL-195	C	SMA		

(Other Configurations available.)

Specifications		
Frequency & Gain*:		
Cable 1	694-894 MHz, 2 dBi	White or Black UV resistant ASA
Cable 2	1700-2700 MHz, 5 dBi	Cable:
Cable 3 (GPS)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Cable 1 & 2
GPS & Glonass Option:	1575.42 +/- 2 MHz, LNA 26dB	Cable 3 (GPS)
Data Modem:	5 dBi nominal RHCP, Antenna	Connectors:
VSWR*	1575 MHz & 1602 MHz	Surface Mounting:
Nominal Impedance		Threaded metal stud
Power		3/4" dia. x 1/2" long
GPS:		(1.9 cm x 1.3 cm) for 1/4" (6 mm)
Noise Figure	2:1 max over range	thick metal; supplied with
Amplifier Bias	50 Ohm	gasket and nut
Amplifier Current	10 Watts	Magnet
Case:		MGW Mounting:
4.2"D x 3.2"H (10.7 cm x 8.1 cm)		Operating Temp:
add 1/2" (1.3 cm) for mag base		Shock & Vibration:
		Dust/Water Ingress: