



The SMW-411 Series Antennas features 4-elements in one antenna radome. This antenna covers an extremely wide range of applications including Diversity on the 850/1900 Cellular bands, WiFi, WiMAX, AWS, Military 4.4 GHz, DSRC and GPS. The unique feature of this SMW model is that the antenna offers two elements covering US Cellular frequencies. (See the spec table below for exact frequencies covered on each cable.)

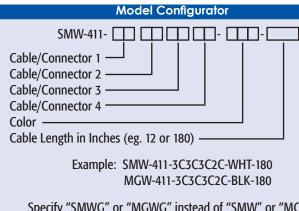
The SMW Series antennas have passed multiple Industry and Military Shock & Vibration standards, and have also achieved a Dust and Water Ingress rating of IP67.

The SMW surface mount mounts easily to a roof, truck or bulkhead. The stud mount design uses a ³/₄-inch feed thru (19 mm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. For best results, the antenna should be mounted on a metal surface or ground plane.

The antenna are available in a mag-mount option and can be identified as the MGW Series. The antennas can also be configured for combined GPS & Glonass use.

SMW-411 multiband, 4-cable Diversity Cellular, WiFi & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, Diversity Cellular, AWS, WiFi,
 2.5 GHz WiMAX & 4.9 GHz Public Safety
- Saves time and money by reducing the number of installations
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



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

Cable Options:		Connector Options:		Color Options:	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	Color
1	RG-58	Α	TNC	WHT	White
2	RG-174	В	Mini UHF	BLK	Black
3	RF-195	C	SMA		
		J	RP SMA		

Specifications Frequency & Gain (peak): Case Material: White or Black UV resistant ASA Cable 1 800-1250 MHz, 3 dBi & Cable: 1650-2700 MHz, 5 dBi Cables 1 - 3 Separate RF-195 15 ft (4.5 meters) Cable 2 824-894 MHz, 0 dBi Peak Cable 4 RG-174, 15 ft (4.5 meters) 1850-1990 MHz. 3 dBi Peak SMA Plug (Male) standard Connector: Cable 3 2.1-2.5 & 4.4-6.0 GHz, 5 dBi Cable 4 (GPS) 1575.42 +/- 2 MHz, LNA: 26dB MGW Mounting: Magnet Mount 5 dBi nominal RHC Threaded metal stud 3/4" dia. x SMW Mounting: VSWR: 2:1 max over range Nominal Impedance: 1/2" long (19 mm x 13mm) for 1/4" 50 ohms Maximum Power: 10 Watts (6 mm) thick metal; supplied with gasket & nut; other stud lengths **Amplifier Bias:** 2.7 to 5 VDC available 2.0 dB max, 1.7 dB typical Noise Figure: Operating Temp: -40° to +80° C

Shock & Vibration:

Dust/Water Ingress:

IEEE1478, EN 61373,

IP67

MIL-810G, TIA 329.2-C

(Other Configurations available.)

20 mA max, 10 mA typical

4.2"D x 3.2"H (107 mm x 81 mm)

add 1/2" (13 mm) for mag base

1575 MHz & 1612 MHz

Current:

Case:

GPS & Glonass Option: