



The SMW-308 Series Antenna features 3-elements in one antenna radome. The unique feature of this SMW model is that it offers two elements covering US Cellular frequencies. The first cellular element is the broadband element found in other SMW antennas and covers 800-1250 & 1650-2700 MHz. The second element, because it is shorter, covers 824-894 & 1850-1990 MHz.

The antenna was designed for US Cellular Diversity modems that require two separate cellular elements for optimum performance. But, the antenna can also be used for other applications.

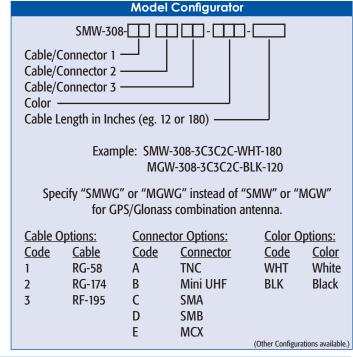
For example, the first cable could be connected to a multiband modem that includes the AWS bands and the second cable could be connected to a GPRS modem covering traditional 850 & 1900 MHz bands.

The SMW antennas can be mounted to any vehicle, cargo container or trailer. Access to the underside of the body surface is required to complete the installation. For best performance the antenna should be mounted on a metal surface or ground plane.

The antenna is also available as a mag-mount; specify MGW instead of SMW to order the mag-mount version.

Surface Mount Multiband US Diversity Cellular & GPS

- Model SMW-308: 3 cable feed multiband
- Covers GPS, Cellular Diversity, or US Cellular and AWS
- 3 antennas in 1 radome; saves time and money by reducing the number of installations



Specifications			
Frequency & Gain:		Case:	4.2"D x 3.2"H (107 mm x 81 mm)
Cable 1	800-1250 MHz, 3 dBi 1650-2700 MHz, 5 dBi 824-894 MHz, 0 dBi peak	Case Material: Cable:	add 1/2" (1.3 cm) for mag base White or Black UV resistant ASA
Cable 3 (GPS)	1850-1990 MHz, 3 dBi peak 1575.42 +/- 2 MHz, LNA 26dB 5 dBi nominal RHCP. Antenna	Cable 1 & 2 Cable 3 (GPS) Connectors:	Separate RF-195,15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) SMA Plug (Male)
Data Modem: VSWR Nominal Inpedance Power	2:1 max over range 50 ohms 10 Watts	Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4" (6 mm) thick metal; supplied with gasket and nut
GPS: Noise Figure Amplifier Bias Amplifier Current GPS & Glonass Option:	2.0 dB max, 1.7 dB typical 2.7 to 5 VDC 20 mA, 10 mA typical 1575 MHz & 1612 MHz	Operating Temp: Shock & Vibration: Dust/Water Ingress	-40 to +85 ° C IEEE1478, EN 61373, MIL-810G, TIA 329.2-C IP67