



The SMW-407 Series Antennas features 4 elements in one antenna radome. The unique feature of the SMW-407 Series is that it comes with fire retardent RF-195FR as the standard cable. This cable is available as an option on many of the other SMW antennas.

The SMW-407 also offers two identical high gain elements covering 1.7-2.7 GHz, each fed with a separate cable and each cable attaching to a separate modem.

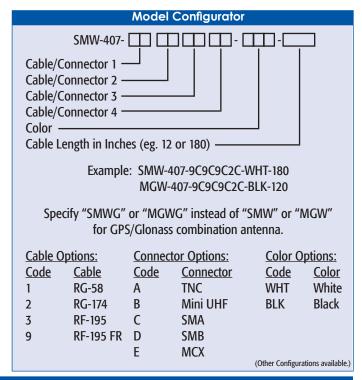
Of the remaining two elements in the SMW-407, one is used for GPS at 1575 MHz and the other can be used for applications that fall in the 800 MHz-2.7 GHz range such as Cellular, WiFi at 2.4 GHz, WiMAX at 2.5 GHz and AWS at 1.7 & 2.1 GHz.

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 an MGW Series mag-mount.

Surface Mount Multiband MIMO AWS, Cellular & GPS

- Model SMW-407: 4 cable feed multiband
- Covers GPS, Cellular, MIMO AWS and WiFi or 2.5 GHz WiMAX
- 4 antennas in 1 radome; saves time and money by reducing the number of installations



Specifications			
Frequency & Gain: Cable 1	800-1250 MHz, 3 dBi 1650-2700 MHz, 5 dBi	Cable: Cables 1 - 3 Cable 4	Separate RF-195 15 ft (4.5 meters) RG-174, 15 ft (4.5 meters)
Cable 2 Cable 3 Cable 4 (GPS)	1.7-2.7 GHz, 5 dBi 1.7-2.7 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA: 26dB 5 dBi nominal RHCP	Connector: Case Material: MGW Mounting:	SMA Plug (Male) White or Black UV resistant ASA Magnet Mount
VSWR: Nominal Impedance: Maximum Power: GPS Amplifier Bias:	2:1 max over range 50 ohms 20 Watts (max)	SMW Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13mm) for 1/4" (6mm) thick metal; supplied with gasket and nut
Noise Figure: Current: GPS & Glonass Option:	2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1612 MHz	Operating Temp: Shock &Vibration:	Other length studs available -40° to +85° C IEEE1478, EN 61373,
Case:	4.2"D x 3.2"H (107 mm x 81 mm) add ½" (1.3 cm) for mag base	Dust/Water Ingress:	MIL-810G, TIA 329.2-C IP67