



Surface Mount Multiband Cellular, Diversity WiMAX & GPS

- Model SMW-408: 4 cable feed multiband
- Covers GPS, MIMO 2.5 GHz WiMAX, Cellular & AWS
- 4 antennas in 1 radome; saves time and money by reducing the number of installations

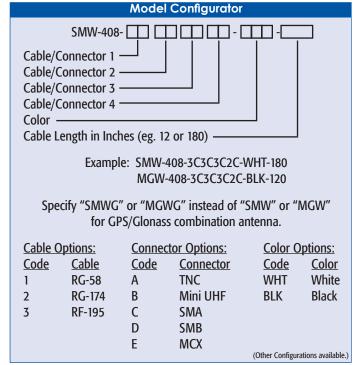
The SMW-408 Series Antennas features 4 elements in one antenna radome. The unique feature of this model is that it offers two identical high gain elements covering WiMAX 2.5-2.7 GHz, each fed with a separate cable and each cable attaching to a separate modem.

Of the remaining two elements in the SMW-408, 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 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.

The antennas are enclosed in a 4.2"D x 3.2"H weatherproof radome (107 mm x 81 MM), and supplied with all mounting hardware and a sealing gasket.

For best electrical performance, the antenna should be mounted on a metal surface or ground plane.



Specifications			
Frequency & Gain: Cable 1 Cable 2 Cable 3 Cable 4 (GPS)	800-1250 MHz, 3 dBi 1650-2700 MHz, 5 dBi 2.5-2.7 GHz, 5 dBi 2.5-2.7 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA: 26dB	Cable: Cables 1 - 3 Cable 4 Connector: Case Material: MGW Mounting:	Separate RF-195 15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) SMA Plug (Male) White or Black UV resistant ASA Magnet Mount
VSWR: Nominal Impedance: Maximum Power: GPS Amplifier Bias: Noise Figure: Current: GPS & Glonass Option:	5 dBi nominal RHCP 2:1 max over range 50 ohms 20 Watts (max) 2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1612 MHz	SMW Mounting: Operating Temp: Shock &Vibration:	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 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