



Mag-Mount

The SMW-410 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 2.4 GHz & 4.9-6.0 GHz. Of the remaining two elements in the SMW-410, one is used for GPS at 1575 MHz and the other covers 2.1-2.5 GHz & 4.4-6.0 GHz. All three elements offer an impressive 5 dBi gain.

This antenna is designed for applications that combine GPS with 2-cable or 3-cable MIMO WiFi, Public Safety at 4.9 GHz or Military at 4.4 GHz.

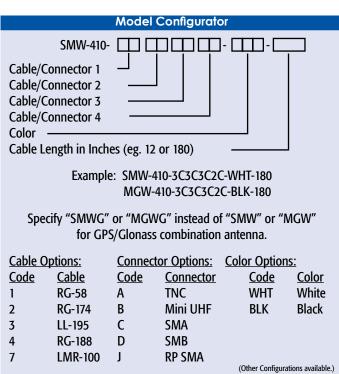
For the GPS interface, the antennas are outfitted with 15 feet (4.5 m) of RF-174 cable. The remaining three elements are fed with 15 feet (4.5 m) or low loss -195 cable.

The antenna is housed in an impact resistant radome made from ASA. It has been rated for shock and vibration as well as water ingress and will stand up to harsh weather or to rough treatment.

The antenna can be ordered as a surface mount antenna or as a mag-mount antenna.

SMW-410 multiband, 4-cable MIMO WiFi, & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, WiFi 2.4/5.0 GHz, Military 4.4 or Public Safety 4.9 GHz
- Three WiFi elements can be used for WiFi MIMO or for separate WiFi modems



Frequency & Gain (peak):		Case Material:	White or Black UV resistant ASA
Cable 1 Cable 2 Cable 3	2.1-2.5 & 4.4-6.0 GHz, 5 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Cable: Cables 1 - 3 Cable 4	Separate LL-195 15 ft (4.5 m) RG-174, 15 ft (4.5 m)
Cable 4 (GPS) VSWR:	1575.42 +/- 2 MHz, LNA: 26dB 5 dBi nominal RHCP 2:1 max over range	Connector: MGW Mounting: SMW Mounting:	SMA Plug (Male) Magnet Mount Threaded metal stud 3/4" dia. x
Nominal Impedance: Maximum Power: GPS	50 Ohm 10 Watts	Sivivi Mounting.	1/2" long (1.9 cm x 1.3cm) for 1/4 (6 mm) thick metal; supplied with gasket & nut; other stud lengths
Amplifier Bias: Noise Figure: Current: GPS & Glonass Option:	2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1602 MHz	Operating Temp: Shock &Vibration:	available -40° to +80° C IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
Case:	4.2"D x 3.2"H (10.7 cm x 8.1 cm) add ½" (1.3 cm) for mag base	Dust/Water Ingress:	IP67