



The SMW-310 Series Antenna has three separate RF cable feeds and will most typically be used for UHF, WiFi & GPS. Bandwidth coverage is 450-470 MHz on the first cable, 2400-2485 MHz & 4.9-6.0 GHz on the second cable and 1575 MHz for GPS on the third cable.

The ideal application for this product is public safety vehicles, such as police cars. This combination of frequencies is standard on most police cars in-service today. The SMW Series is a lower cost solution by reducing the number of installations and by reducing the downtime for those installations. Also, having three elements in one radome significantly reduces the overall footprint.

The antennas can be mounted to any vehicle, cargo container or trailer. The stud mount design uses a 3/4" feed thru (1.9 cm) for securing to the vehicle. For best performance, the antenna should be mounted on a metal surface or ground plane.

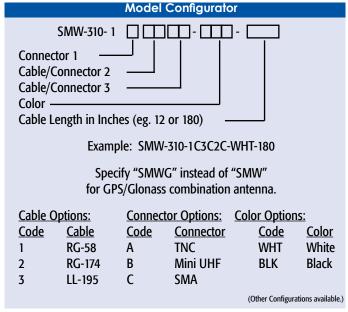
For the GPS interface, the antennas are typically outfitted with 15 feet of RG-174 cable (4.5 m). The UHF interface cable is 15 feet of RG-58 (4.5m) and the WiFi interface has 15 feet (4.5m) of low loss-195. All connectors are male unless requested otherwise.

SMW-310 multiband, 3-cable UHF, WiFi or Public Safety 4.9 &

- 3 antennas in 1 antenna housing
- Covers UHF, WiFi 2.4/5 GHz, or Public Safety 4.9 GHz & GPS
- True omni-directional pattern; provides exceptional performance

The antennas are enclosed in a 4.2"D x 3.2"H weather-proof radome (10.7 cm x 8.1 cm), The SMW series of antennas are fully weather resistant with a Dust and Water Ingress rating of IP67. The radome color is white or black UV resistant ASA.

Not available in a mag mount.



Specifications			
Frequency & Gain (peak)*:		Case:	4.2"D x 3.2"H (10.7 cm x 8.1 cm) add ½" (1.3 cm) for mag base
Cable 1	450-470 MHz, 2 dBi		
Cable 2	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Case Material:	White or Black UV resistant ASA
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB	Cable:	
	5 dBi nominal RHCP. Antenna	Cable 1	RG-58 cable,15 ft (4.5 m)
GPS & Glonass Option:	1575 MHz & 1602 MHz	Cable 2	LL-195 cable,15 ft (4.5 m)
эт эт эт этэглэээ эр тэгт		Cable 3 (GPS)	RG-174, 15 ft (4.5 m)
VSWR*:	2:1 max over range	Connectors:	SMA Plug (Male) standard
Nominal Impedance:	50 Ohm	Mounting:	Threaded metal stud
Power:	30 011111		3/4" dia. x 1/2" long
UHF	30 Watts		(1.9 cm x 1.3 cm) for 1/4" (6 mm)
WiFi	10 Watts		thick metal
	10 Walls	Operating Temp:	-40° to +80° C
GPS:	0.0 10 17 10 1	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G
Noise Figure	2.0 dB max, 1.7 dB typical		TIA 329.2-C
Amplifier Bias	2.7 to 5 VDC	Dust/Water Ingress:	IP67
Amplifier Current	20 mA, 10 mA typical	*Measured on 1'(30cm) ground with 1'(30cm) cable	