



The SMW-402 Series Antenna covers a wide range of applications including all Cellular bands worldwide, WiFi at 2.4 & 5 GHz, AWS at 1.7 & 2.1 GHz, Public Safety at 4.9 GHz, DSRC at 5.9 GHz or GPS. The four cables accommodate four different uses in one installation.

This surface mount multiband antenna mounts easily to a roof, trunk or bulkhead. The stud mount design uses a 3/4" feed thru (19mm) for securing to the vehicle.

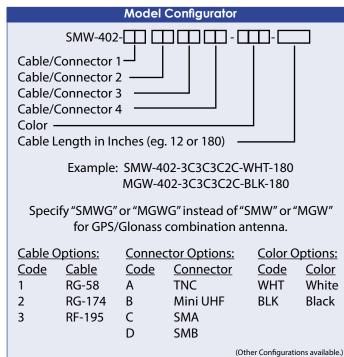
For best performance, the antenna should be mounted on a metal surface or ground plane. A Mag-mount version is available with the same performance specs.

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

The SMW Series is extremely weather resistant and rated IP67 for Dust and Water Ingress. The antennas have also passed industrial and military shock and vibration testing.

SMW-402 multiband, 4-cable Cellular, two WiFi & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, Cellular, WiFi & Public Safety
 4.9 GHz
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



Specifications			
Frequency & Gain (peak):		Cable:	
Cable 1	800-1250 MHz, 3 dBi	Cables 1 - 3	Separate RF-19515ft (4.5 meters)
	1650-2700 MHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 2	2.4-2.5 GHz, 5 dBi	Connector:	SMA Plug (Male) standard
Cable 3	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Case Material:	White or Black UV resistant ASA
Cable 4 (GPS)	1575.42 +/- 2 MHz, LNA: 26dB	MGW Mounting:	Magnet Mount
	5 dBi nominal RHCP	SMW Mounting:	Threaded metal stud
VSWR:	2:1 max over range	_	3/4" dia. x 1/2" long
Nominal Impedance:	50 ohms		(19 mm x 13mm) for
Maximum Power:	10 Watts		1/4" (6mm) thick metal;
GPS			supplied with gasket and nut
Noise Figure:	2.0 dB max, 1.7 dB typical		Other length studs available
Amplifier Bias:	2.7 to 5 VDC	Operating Temp:	-40° to +80° C
Current:	20 mA max, 10 mA typical	Shock &Vibration:	IEEE1478, EN 61373, MIL-810G
GPS & Glonass Option:	1575 MHz & 1612 MHz		TIA 329.2-C
Case:	4.2"D x 3.2"H (107 mm x 81 mm) add ½" (13 mm) for mag base	Dust/Water Ingress:	IP67