



The SMW-404 Series Antennas are configured with four different cables. It provides high performance Cellular GSM/CDMA, AWS, UMTS, two separate 2.4/4.9-6.0 GHz elements (of which the second is broadbanded) and GPS. This combination is particularly useful for Public Safety Video and Mesh Networking applications can be used for diversity coverage or for two separate 2.4/4.9 devices.

The antenna 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.

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

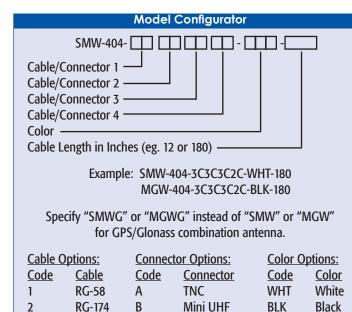
The antenna is also available as a mag-mount for temporary set-ups. The model prefix "MGW" should be used instead of "SMW" to specify a mag-mount antenna.

Both the surface mount and mag-mount antennas are configured with 15 feet (4.5 meters) of cable. The communications channels use RF-195 cable and the GPS channel uses RG-174.

The antennas can also be configured for combined GPS & Glonass use.

SMW-404 multiband, 4-cable Cellular, Dual WIFi & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, Cellular, AWS, Military 4.4, WiFi & WiMAX
- Saves time and money by reducing the number of installations
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



SMA

SMB

MCX

(Other Configurations available

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Specifications			
Frequency & Gain (peak):		Operating Temp:	-40° to +80° C
Cable 1 Cable 2 Cable 3 Cable 4 (GPS) VSWR: Nominal Impedance: Maximum Power: GPS Amplifier Bias: Noise Figure: Current: GPS & Glonass Option:	800-1250 MHz, 3 dBi & 1650-2700 MHz, 5 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 2.1-2.5 & 4.4-6.0 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA: 26dB 5 dBi nominal RHCP 2:1 max over range 50 ohms 10 Watts 2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1612 MHz	Operating Temp: Cable: Cables 1 - 3 Cable 4 Connector: Case Material: MGW Mounting: SMW Mounting: Shock & Vibration:	Separate RF-195 15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) SMA Plug (Male) standard White or Black UV resistant ASA Magnet Mount Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13mm) for 1/4" (6mm) thick metal; supplied with gasket & nut; other stud lengths available IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
Case:	4.2"D x 3.2"H (107 mm x 81 mm) add 1/2" (13 mm) for mag base	Dust/Water Ingress:	IP67

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RF-195

C

D

E