



The SMW-306 Series Antennas accommodates higher frequency applications. Bandwidth coverage is 2.4-2.5 GHz on the first element, 3.0-6.0 GHz on the second element and GPS on the third.

The SMW-306 antenna could be used for Public Safety applications with Wireless video at 2.4 GHz and Mesh Networking at 4.9 GHz. It could also be used for Smart Highway applications with WiFi at 2.4 GHz and DSRC at 5.9 GHz, or for Military applications that combine WiFi 2.4 GHz with the Military 4.4 GHz band.

The SMW Series antennas have passed Shock & Vibration standards as well as achieving a Dust and Water Ingress rating of IP67. The SMW surface mount mounts easily to roof, truck or bulkhead.

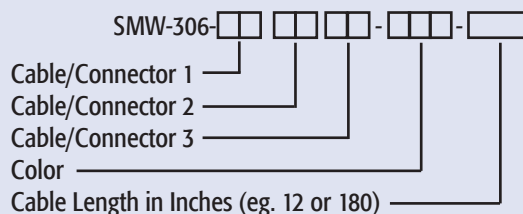
The antenna is enclosed in a 4.2"D x 3.2"H (107 mm x 81 mm) weatherproof radome, and supplied with all mounting hardware and a sealing gasket.

The antenna is also available as a mag-mount and can be identified as the MGW Series. Both the surface mount antennas and the mag mount antennas are available in either black or white.

Surface Mount Multiband WiFi, WiMAX & GPS

- Model SMW-306: 3 cable feed multiband
- Covers GPS, WiFi, WiMAX, Military 4.4 & Public Safety 4.9 GHz
- 3 antennas in 1 radome; saves time and money by reducing the number of installations

Model Configurator



Example: SMW-306-3C3C2C-WHT-180
MGW-306-3C3C2C-BLK-120

Specify "SMWVG" or "MGWVG" instead of "SMW" or "MGW" for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
1	RG-58	A	TNC	WHT	White
2	RG-174	B	Mini UHF	BLK	Black
3	RF-195	C	SMA		
		D	SMB		
		E	MCX		

(Other Configurations available.)

Specifications

Frequency & Gain:		Cable:	
Cable 1	2.4-2.5 GHz, 5 dBi	Cable 1 & 2	Separate RF-195, 15 ft (4.5 meters)
Cable 2	3.0-6.0 GHz, 5 dBi	Cable 3 (GPS)	RG-174, 15 ft (4.5 meters)
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB	Connectors:	SMA Plug (Male)
	5 dBi nominal RHCP, Antenna		
Data Modem:		Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4" (6 mm) thick metal; supplied with gasket and nut
VSWR	2:1 max over range		
Nominal Impedance	50 ohms	Operating Temp:	-40 to +85 °C
Power	10 Watts	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
GPS:		Dust/Water Ingress:	IP67
Noise Figure	2.0 dB max, 1.7 dB typical		
Amplifier Bias	2.7 to 5 VDC		
Amplifier Current	20 mA, 10 mA typical		
GPS & Glonass Option:	1575 MHz & 1612 MHz		
Case:	4.2"D x 3.2"H (107 mm x 81 mm) add 1/2" (1.3 cm) for mag base		
Case Material:	White or Black UV resistant ASA		