



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.

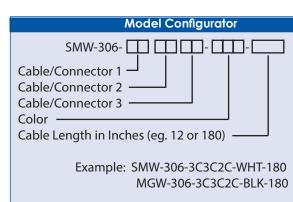
The SMW Series antennas have passed Shock & Vibration standards we well as achieving a Dust and Water Ingress rating of IP67. The SMW surface mount mounts easily to roof, truck or bulkhead.

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.

SMW-306 multiband, 3-cable WiFi, WiMAX & GPS

- 3 antennas in 1 antenna housing
- Covers GPS, WiFi 2.4, WiMAX 3.5, Military
 4.4 & Public Safety 4.9 GHz
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



Specify "SMWG" or "MGWG" instead of "SMW" or "MGW" for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	<u>Color</u>
1	RG-58	Α	TNC	WHT	White
2	RG-174	В	Mini UHF	BLK	Black
3	RF-195	C	SMA		
		E	MCX		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak):		Cable:	
Cable 1	2.4-2.5 GHz, 5 dBi	Cable 1 & 2	Separate RF-195,15ft (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) standard
	5 dBi nominal RHCP, Antenna		
Data Modem:		Mounting:	Threaded metal stud
VSWR	2:1 max over range		¾" dia. x ½" long
Nominal Inpedance	50 ohms		(19 mm x 13 mm) for
Power	10 Watts		1/4" (6 mm) thick metal;
GPS:			supplied with gasket and nut
Noise Figure	2.0 dB max, 1.7 dB typical		
Amplifier Bias	2.7 to 5 VDC	Operating Temp:	-40° to +80° C
Amplifier Current	20 mA, 10 mA typical	Shock & Vibration:	IEEE1478, EN 61373,
GPS & Glonass Option:	1575 MHz & 1612 MHz		MIL-810G, TIA 329.2-C
Case:	4.2"D x 3.2"H (107 mm x 81 mm)	Dust/Water Ingress:	IP67
	add ½" (13 mm) for mag base		
Case Material:	White or Black UV resistant ASA		