



SMW-406 multiband, 4-cable Cellular, AWS, WiFi, WiMAX, Public Safety & GPS

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

The SMW-406 Series Antennas covers an extremely wide range of applications including most Cellular bands world-wide, WiFi at 2.4 & 5 GHz, WiMAX at 2.5 GHz, AWS at 1.7-2.1 GHz, Public Safety at 4.9 GHz, Military at 4.4 GHz, DSRC at 5.9 GHz and GPS.

The specification table below calls out the exact frequencies covered on each cable. While a broad range of coverage means a variety of applications can be covered, there is also some overlap among the elements such that WiFi at 2.4 GHz could be covered on all three elements.

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 a roof, truck or bulkhead.

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

Model Configurator

SMW-406-

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-406-3C3C3C2C-WHT-180
 MGW-406-3C3C3C2C-BLK-180

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

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