



The SMW-409 Series Antennas features 4 elements in one antenna radome. The unique feature of this model is that it offers two identical high gain elements covering 1.7-2.7 GHz, each fed with a separate cable and each cable attaching to a separate modem.

One of the elements in the SMW-409 is used for GPS at 1575 MHz and another can be used for applications that fall in the 800 MHz-2.7 GHz range such as Cellular, WiFi at 2.4 GHz, WiMAX at 2.5 GHz and AWS at 1.7 & 2.1 GHz.

The SMW antenna is extremely weather resistant and rated IP67 for water ingress. It is housed in a radome made from ASA and is available in either black or white.

The antenna can be mounted to any vehicle, cargo container or trailer. The stud design uses a 3.4" feed thru (19 mm) for securing to the vehicle.

The antenna is also available as a mag-mount, specify MGW instead of SMW for the mag-mount style.

Surface Mount Multiband MIMO AWS, Cellular & GPS

- Model SMW-409: 4 cable feed multiband
- Covers GPS, Cellular, AWS, MIMO for 2.4 GHz WiFi or 2.5 GHz WiMAX
- 4 antennas in 1 radome; saves time and money by reducing the number of installations

Model Configurator

SMW-409- -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-409-3C3C3C2C-WHT-180
MGW-409-3C3C3C2C-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	800-1250 MHz, 3 dBi	Cables 1 - 3	Separate RF-195 15 ft (4.5 meters)
Cable 2	1650-2700 MHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 3	1.7-2.7 GHz, 5 dBi	Connector:	SMA Plug (Male)
Cable 4 (GPS)	1.7-2.7 GHz, 5 dBi	Case Material:	White or Black UV resistant ASA
	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:	20 Watts (max)		1/4" (6mm) thick metal;
GPS			supplied with gasket and nut
Amplifier Bias:	2.7 to 5 VDC		Other length studs available
Noise Figure:	2.0 dB max, 1.7 dB typical	Operating Temp:	-40° to +85° C
Current:	20 mA max, 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 1/2" (1.3 cm) for mag base		