



The SMW-407 Series Antennas features 4 elements in one antenna radome. The unique feature of the SMW-407 Series is that it comes with fire retardant RF-195FR as the standard cable. This cable is available as an option on many of the other SMW antennas.

The SMW-407 also 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.

Of the remaining two elements in the SMW-407, one is used for GPS at 1575 MHz and the other 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 antennas can be mounted to any vehicle, cargo container or trailer. Access to the underside of the body surface is required to complete the installation. For best performance the antenna should be mounted on a metal surface or ground plane.

The antenna is also available as an MGW Series mag-mount.

Surface Mount Multiband MIMO AWS, Cellular & GPS

- Model SMW-407: 4 cable feed multiband
- Covers GPS, Cellular, MIMO AWS and WiFi or 2.5 GHz WiMAX
- 4 antennas in 1 radome; saves time and money by reducing the number of installations

Model Configurator

SMW-407- - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-407-9C9C9C2C-WHT-180
MGW-407-9C9C9C2C-BLK-120

Specify "SMWGW" or "MGWGW" 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		
9	RF-195 FR	D	SMB		
		E	MCX		

(Other Configurations available.)

Specifications

Frequency & Gain:	
Cable 1	800-1250 MHz, 3 dBi
Cable 2	1650-2700 MHz, 5 dBi
Cable 3	1.7-2.7 GHz, 5 dBi
Cable 4 (GPS)	1.7-2.7 GHz, 5 dBi
VSWR:	2:1 max over range
Nominal Impedance:	50 ohms
Maximum Power:	20 Watts (max)
GPS	
Amplifier Bias:	2.7 to 5 VDC
Noise Figure:	2.0 dB max, 1.7 dB typical
Current:	20 mA max, 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

Cable:	
Cables 1 - 3	Separate RF-195 15 ft (4.5 meters)
Cable 4	RG-174, 15 ft (4.5 meters)
Connector:	SMA Plug (Male)
Case Material:	White or Black UV resistant ASA
MGW Mounting:	Magnet Mount
SMW Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13mm) for 1/4" (6mm) thick metal; supplied with gasket and nut
Operating Temp:	Other length studs available -40° to +85° C
Shock & Vibration:	IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
Dust/Water Ingress:	IP67