

SMW-401 multiband, 4-cable GSM/CDMA, WiFi, WiMAX & GPS



- 4 antennas in 1 antenna housing
- Covers GPS, Cellular, AWS, WiFi, WiMAX 2.5 & Public Safety 4.9 GHz
- Saves time and money by reducing the number of installations
- Available in either Surface-mount (SMW Series) or Mag-mount (MGW Series)

Mobile Mark's SMW-401 four-cable multiband antenna provides coverage for four different wireless devices. The antennas can be used for GPS, Cellular, AWS, UMTS, WiFi, WiMAX 2.5 or Public Safety 4.9.

This surface mount multiband antenna mounts easily to a roof, trunk or bulkhead. The stud mount design uses a 3/4" feed thru (19mm) for securing to the vehicle. The SMW Series is extremely weather resistant and rated IP67 for Dust and Water Ingress.

For best performance, the antenna should be mounted on a metal surface.

The Cellular and WiFi cables are 15 feet of low-loss RF-195 (4.5 meters). GPS cable is 15 feet of RF-174. All connectors are male unless otherwise requested.

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

The antenna is available in either surface mount (SMW Series) or mag mount (MGW Series). The antennas can also be configured for combined GPS & Glonass use.

Model Configurator

SMW-401- - -

Cable/Connector 1
Cable/Connector 2
Cable/Connector 3
Cable/Connector 4
Color
Cable Length in Inches (eg. 12 or 180)

Example: SMW-401-3C3C3C2C-WHT-180
MGW-401-3C3C3C2C-BLK-180

Specify "SMWG" or "MGWG" 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		

(Other Configurations available.)

Specifications

Frequency & Gain (peak):		Case:	4.2"D x 3.2"H (107 mm x 81 mm) add 1/2" (13 mm) for mag base
Cable 1	800-1250 MHz, 3 dBi & 1650-2700 MHz, 5 dBi	Cable:	
Cable 2	2400-2485 MHz, 5 dBi	Cables 1 - 3	Separate RF-195 15 ft (4.5 meters)
Cable 3	1700-2700 MHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 4 (GPS)	1575.42 +/- 2 MHz, LNA: 26dB	Connector:	SMA Plug (Male)
	5 dBi nominal RHCP	MGW Mounting:	Magnet Mount
VSWR:	2:1 max over range	SMW Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4" (6mm) thick metal; supplied with gasket and nut Other length studs available
Nominal Impedance:	50 ohms	Operating Temp:	-40° to +80° C
Maximum Power:	10 Watts	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
GPS		Dust/Water Ingress:	IP67
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 Material:	White or Black UV resistant ASA		