



Mobile Mark's SMW-UMB antennas are three-cable multiband antennas providing coverage for three different wireless devices. The antennas are typically used for Cellular, WiFi and GPS combinations.

The broadband "cellular" element covers all wireless applications from 800-2700 MHz, including US and European Cellular channels, AWS, UMTS, WiFi 2.4 GHz and WiMAX 2.6 GHz.

The second element in the SMW-UMB covers 2.4-2.5 GHz and can be used for 802.11b/g systems.

This surface mount multiband antenna mounts easily to a roof, trunk or bulkhead. The stud mount design uses a 3/4" feed thru (1.9 cm) for securing to the vehicle.

It is extremely weather resistant and rated IP67 for water ingress. For best performance, the antenna should be mounted on a metal surface or ground plane.

This antenna is available in a mag-mount configuration; the model family is MGW.

SMW-UMB multiband, 3-cable Cellular, WiFi & GPS

- Available with combination GPS & Glonass antennas
- Saves time and money by reducing the number of installations
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)

Model Configurator

SMW-UMB- - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-UMB-3C3C2C-WHT-180 (surface mount)
 MGW-UMB-3C3C2C-BLK-180 (mag mount)

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	LL-195	C	SMA		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak)*:		Case Material: White or Black UV resistant ASA	
Cable 1	800-1250 MHz, 3 dBi	Cable:	
Cable 2	1650-2700 MHz, 5 dBi	Cable 1 & 2	Separate LL-195, 15 ft (4.5 m)
Cable 3 (GPS)	2400-2485 MHz, 5 dBi	Cable 3 (GPS)	RG-174, 15 ft (4.5 m)
GPS & Glonass Option:	1575.42 +/- 2 MHz, LNA 26dB	Connectors:	SMA Plug (Male)
Data Element:	5 dBi nominal RHCP, Antenna	SMW Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (1.9 cm x 1.3 cm) for 1/4" (6 mm) thick metal; supplied with gasket and nut
VSWR*	1575 MHz & 1602 MHz	Mag Mounting:	Magnet
Nominal Impedance	2:1 max over range	Operating Temp:	-40° to +80° C
Power	50 Ohm	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G TIA 329.2-C
GPS:	10 Watts	Dust/Water Ingress:	IP67
Noise Figure	2.0 dB max, 1.7 dB typical		
Amplifier Bias	2.7 to 5 VDC		
Amplifier Current	20 mA, 10 mA typical		
Case:	4.2"D x 3.2"H (10.7 cm x 8.1 cm) add 1/2" (1.3 cm) for mag base		

*Measured on 1' (30cm) ground with 1' cable (30cm)