



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.

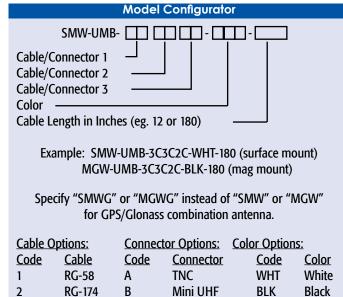
This surface mount multiband antenna mounts easily to a roof, trunk or bulkhead. The stud mount design uses a 3/4" feed thru (1.9 cm) for securing to the vehicle.

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)



**SMA** 

(Other Configurations available.)

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LL-195

Specifications			
Frequency & Gain (peak)*:		Case Material:	White or Black UV resistant ASA
Cable 1	800-1250 MHz, 3 dBi	Cable:	
	1650-2700 MHz, 5 dBi	Cable 1 & 2	Separate LL-195,15 ft (4.5 m)
Cable 2	2400-2485 MHz, 5 dBi	Cable 3 (GPS)	RG-174, 15 ft (4.5 m)
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB	Connectors:	SMA Plug (Male)
	5 dBi nominal RHCP, Antenna	SMW Mounting:	Threaded metal stud
GPS & Glonass Option:	1575 MHz & 1602 MHz		¾" dia. x ½" long
Data Element:			(1.9 cm x 1.3 cm) for
VSWR*	2:1 max over range		1/4" (6 mm) thick metal;
Nominal Inpedance	50 Ohm		supplied with gasket and nut
Power	10 Watts	Mag Mounting:	Magnet
GPS:	20 10 17 10	Operating Temp:	-40° to +80° C
Noise Figure	2.0 dB max, 1.7 dB typical	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G
Amplifier Bias	2.7 to 5 VDC		TIA 329.2-C
Amplifier Current	20 mA, 10 mA typical	Dust/Water Ingress:	IP67
Case:	4.2"D x 3.2"H (10.7 cm x 8.1 cm)	*Measu	ured on 1' (30cm) ground with 1' cable (30cm)
	add 1/2" (1.3 cm) for mag base		

3