



Multiband



- 3 antennas in 1 antenna housing
- Covers GPS, Cellular, AWS, UMTS &WiFi
- Saves time and money by reducing the number of installations
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



Black Case

Mag-Mount

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.

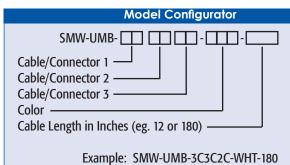
The broadband "cellular" element covers all wireless applications from 800-2700 MHz, including US and European Cellular channels, AWS, UMTS, WiFi 2.4 GHz and WiMAX 2.6 GHz.

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 (19mm) 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.



MGW-UMB-3C3C2C-BLK-180

Specify "SMWG" or "MGWG" instead of "SMW" or "MGW" for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	Color
1	RG-58	Α	TNC	WHT	White
2	RG-174	В	Mini UHF	BLK	Black
3	RF-195	C	SMA		
		D	SMB		
		E	MCX		
				(Other Configura	ations available.)

Specifications			
Frequency & Gain (peak):		Case Material:	White or Black UV resistant ASA
Cable 1	800-1250 MHz, 3 dBi		
	1650-2700 MHz, 5 dBi	Cable:	
Cable 2	2400-2485 MHz, 5 dBi	Cable 1 & 2	Separate RF-195,15 ft (4.5 meters)
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB	Cable 3 (GPS)	RG-174, 15 ft (4.5 meters)
· ´	5 dBi nominal RHCP, Antenna	Connectors:	SMA Plug (Male)
Data Modem:	, , , , , , , , , , , , , , , , , , , ,		3 (3 3)
VSWR	2:1 max over range	Mounting:	Threaded metal stud
Nominal Inpedance	50 ohms		³ / ₄ " dia. x ½" long
Power	10 Watts		(19 mm x 13 mm) for
GPS:			1/4" (6 mm) thick metal;
Noise Figure	2.0 dB max, 1.7 dB typical		supplied with gasket and nut
Amplifier Bias	2.7 to 5 VDC	Operating Temp:	-40° to +80° C
Amplifier Current	20 mA, 10 mA typical	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G
GPS & Glonass Option:	1575 MHz & 1612 MHz	55	TIA 329.2-C
Case:	4.2"D x 3.2"H (107 mm x 81 mm)	Dust/Water Ingress:	IP67
	add 1/2" (13 mm) for mag base	2 457 114161 11.9. 6551	