



SMW-UMB multiband, 3-cable GSM/CDMA or WiMAX, WiFi & GPS

- 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)

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.

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
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:	
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		
		E	MCX		

(Other Configurations available.)

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