

Black Case 3-Cable Multiband Mag-Mount

Surface Mount Multiband GSM/CDMA or WiMax, WiFi & GPS

- Model SMW-301: 3 cable feed multiband
- Covers GPS, Cellular, AWS, WiFi, WiMAX, Public Safety 4.9 & DSRC 5.9 GHz
- 3 antennas in 1 radome
- Saves time and money by reducing the number of installations

Mobile Mark's SMW-301 antennas are three-cable multiband antennas providing coverage for three different wireless devices. The antennas are used for Cellular, WiFi and GPS combinations.

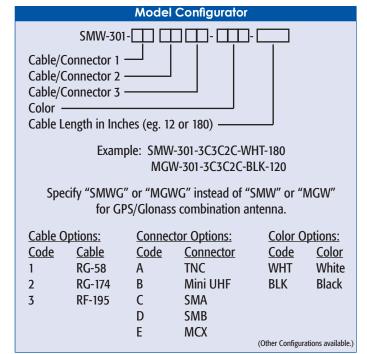
The broadband "cellular" element covers all wireless applications from 800-2700 MHz, including US and European Cellular channels, AWS, UMTS, WiFi and WiMAX.

The SMW-301 provides dual coverage on both 2.4-2.5 GHz and 4.9-6.0 GHz so it can be used on 802.11a/b/g/n systems. The SMW-301 could also be used for Public Safety 4.9 GHz or for DSRC 5.9 GHz.

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.

The antenna is also available in a mag-mount configuration (MGW).



Specifications Frequency & Gain:		Carry	4.3// 0.7.2// 107.000.01.000
Cable 1	800-1250 MHz, 3 dBi	Case:	4.2"D x 3.2"H (107 mm x 81 mm) add ½" (1.3 cm) for mag base
	1650-2000 MHz, 5 dBi	Case Material:	White or Black UV resistant ASA
	2100-2700 MHz, 3 dBi	Cable:	Time of Black of Tesistant 13/1
Cable 2	2.4-2.5 GHz, 5 dBi	Cable 1 & 2	Separate RF-195,15 ft (4.5 meters)
	4.9-6.0 GHz, 5 dBi	Cable 3 (GPS)	RG-174, 15 ft (4.5 meters)
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB	Connectors:	SMA Plug (Male)
	5 dBi nominal RHCP, Antenna	Mounting:	Threaded metal stud
Data Modem:			3/4" dia. x 1/2" long
VSWR	2:1 max over range		(19 mm x 13 mm) for
Nominal Inpedance	50 ohms		1/4" (6 mm) thick metal;
Power	10 Watts		supplied with gasket and nut
GPS:		Operating Temp:	-40 to +85° 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
GPS & Glonass Option:	1575 MHz & 1612 MHz		