



SMW-402 multiband, 4-cable Cellular, two WiFi & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, Cellular, WiFi & Public Safety 4.9 GHz
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)

The SMW-402 Series Antenna covers a wide range of applications including all Cellular bands worldwide, WiFi at 2.4 & 5 GHz, AWS at 1.7 & 2.1 GHz, Public Safety at 4.9 GHz, DSRC at 5.9 GHz or GPS. The four cables accommodate four different uses in one installation.

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.

For best performance, the antenna should be mounted on a metal surface or ground plane. A Mag-mount version is available with the same performance specs.

The antennas are enclosed in a 4.2"D x 3.2"H weatherproof ASA radome (107 mm x 81 mm) and supplied with all mounting hardware and a sealing gasket.

The SMW Series is extremely weather resistant and rated IP67 for Dust and Water Ingress. The antennas have also passed industrial and military shock and vibration testing.

Model Configurator

SMW-402------

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-402-3C3C3C2C-WHT-180
 MGW-402-3C3C3C2C-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		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak):		Cable:	
Cable 1	800-1250 MHz, 3 dBi	Cables 1 - 3	Separate RF-195 15 ft (4.5 meters)
Cable 2	1650-2700 MHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 3	2.4-2.5 GHz, 5 dBi	Connector:	SMA Plug (Male) standard
Cable 4 (GPS)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Case Material:	White or Black UV resistant ASA
VSWR:	1575.42 +/- 2 MHz, LNA: 26dB	MGW Mounting:	Magnet Mount
Nominal Impedance:	5 dBi nominal RHCP	SMW Mounting:	Threaded metal stud
Maximum Power:	2:1 max over range		3/4" dia. x 1/2" long
GPS	50 ohms		(19 mm x 13mm) for
Noise Figure:	10 Watts		1/4" (6mm) thick metal;
Amplifier Bias:			supplied with gasket and nut
Current:	2.0 dB max, 1.7 dB typical		Other length studs available
GPS & Glonass Option:	2.7 to 5 VDC	Operating Temp:	-40° to +80° C
1575 MHz & 1612 MHz		Shock & Vibration:	IEEE1478, EN 61373, MIL-810G
Case:	20 mA max, 10 mA typical	Dust/Water Ingress:	TIA 329.2-C
4.2"D x 3.2"H (107 mm x 81 mm)			IP67
add 1/2" (13 mm) for mag base			