

Surface Mount Multiband WiFi, WiFi Diversity & Public Safety & GPS

- Model SMW-303: 3 cable feed multiband
- Covers GPS, WiFi, Public Safety 4.9 & Military 4.4 GHz
- 3 antennas in 1 radome; saves time and money by reducing the number of installations

Model Configurator





Black Case

Mag-Mount

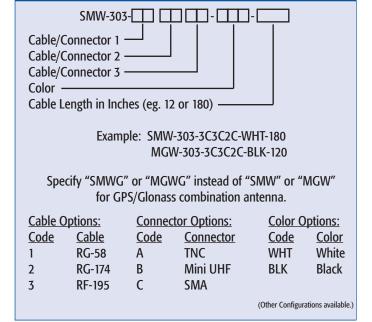
The SMW-303 Series Antenna provides multiband coverage on WiFi at 2.4 & 5 GHz, Public Safety at 4.9 GHz, Military at 4.4 GHz and GPS. It can also cover the UMTS band at 2.1 GHz or WiMAX at 2.3 GHz. The antenna is configured with 3 cables: one for GPS and the other two for the modems.

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.

The WiFi cables are 15 feet of low-loss RF-195 (4.5 meters). GPS cable is 15 feet of RF-174. All connectors are male unless otherwise requested.

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.



Specifications			
Frequency & Gain:		Cable:	
Cable 1	2.4 & 4.9-6.0 GHz 5 dBi	Cable 1 & 2	Separate RF-195,15 ft (4.5 meters)
Cable 2	2.1-2.5 & 4.4-6.0 GHz 5 dBi	Cable 3 (GPS)	RG-174, 15 ft (4.5 meters)
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB	33333 (3.3)	, (
` '	5 dBi nominal RHCP, Antenna	Commentered	CAAA Disaa (AA-Ia)
Data Modem:	3 dbi nominai ki ici , rancima	Connectors:	SMA Plug (Male)
VSWR	2:1 max over range		T
Nominal Inpedance	50 ohms	Mounting:	Threaded metal stud
Power	10 Watts		³¼" dia. x ½" long
GPS:	10 vvalts		(19 mm x 13 mm) for
Noise Figure	2.0 dB max, 1.7 dB typica		1/4" (6 mm) thick metal;
Amplifier Bias	2.7 to 5 VDC		supplied with gasket and nut
Amplifier Current	20 mA, 10 mA typical		
GPS & Glonass Option:	1575 MHz & 1612 MHz	Operating Temp:	-40 to +85° C
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Case:	4.2"D x 3.2"H (107 mm x 81 mm)	Shock & Vibration:	IEEE1478, EN 61373,
	add ½" (1.3 cm) for mag base		MIL-810G, TIA 329.2-C
		Dust/Water Ingress:	IP67
Case Material:	White or Black UV resistant ASA	,	