



Black Case

Mag-Mount

SMW-307 multiband, 3-cable Cellular, WiFi, WiMAX & GPS

- 3 antennas in 1 antenna housing
- Covers GPS, Cellular, AWS, WiFi, WiMAX, Public Safety 4.9, DSRC 5.9 & Military 4.4
- 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-307 Series antenna is a three-cable multiband antenna providing coverage for three different wireless devices.

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

The second element covers 3.0-6.0 GHz for applications such as WiMAX at 3.5 or 3.65 GHz, Military 4.4 GHz, Public Safety 4.9 GHz, WiFi 5 GHz or DSRC 5.9 GHz. The third element covers GPS at 1575 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 Dust and Water Ingress. For best performance, the antenna should be mounted on a metal surface or ground plane.

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.

Model Configurator

SMW-307- - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMW-307-3C3C2C-WHT-180
MGW-307-3C3C2C-BLK-180

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

<p>Cable Options:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Cable</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>RG-58</td> </tr> <tr> <td>2</td> <td>RG-174</td> </tr> <tr> <td>3</td> <td>RF-195</td> </tr> </tbody> </table>	Code	Cable	1	RG-58	2	RG-174	3	RF-195	<p>Connector Options:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Connector</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>TNC</td> </tr> <tr> <td>B</td> <td>Mini UHF</td> </tr> <tr> <td>C</td> <td>SMA</td> </tr> <tr> <td>D</td> <td>SMB</td> </tr> <tr> <td>E</td> <td>MCX</td> </tr> </tbody> </table>	Code	Connector	A	TNC	B	Mini UHF	C	SMA	D	SMB	E	MCX	<p>Color Options:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>WHT</td> <td>White</td> </tr> <tr> <td>BLK</td> <td>Black</td> </tr> </tbody> </table>	Code	Color	WHT	White	BLK	Black
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(Other Configurations available.)

Specifications

<p>Frequency & Gain (peak):</p> <p>Cable 1: 800-1250 MHz, 3 dBi 1650-2700 MHz, 5 dBi</p> <p>Cable 2: 3.0-6.0 GHz, 5 dBi</p> <p>Cable 3 (GPS): 1575.42 +/- 2 MHz, LNA 26dB 5 dBi nominal RHCP, Antenna</p> <p>Data Modem:</p> <p>VSWR: 2:1 max over range</p> <p>Nominal Impedance: 50 ohms</p> <p>Power: 10 Watts</p> <p>GPS:</p> <p>Noise Figure: 2.0 dB max, 1.7 dB typical</p> <p>Amplifier Bias: 2.7 to 5 VDC</p> <p>Amplifier Current: 20 mA, 10 mA typical</p> <p>GPS & Glonass Option: 1575 MHz & 1612 MHz</p> <p>Case: 4.2"D x 3.2"H (107 mm x 81 mm) add 1/2" (13 mm) for mag base</p>	<p>Case Material: White or Black UV resistant ASA</p> <p>Cable:</p> <p>Cable 1 & 2: Separate RF-195, 15 ft (4.5 meters)</p> <p>Cable 3 (GPS): RG-174, 15 ft (4.5 meters)</p> <p>Connectors: SMA Plug (Male)</p> <p>Mounting: Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4" (6 mm) thick metal; supplied with gasket and nut</p> <p>Operating Temp: -40° to +80° C</p> <p>Shock & Vibration: IEEE1478, EN 61373, MIL-810G, TIA 329.2-C</p> <p>Dust/Water Ingress: IP67</p>
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