

SMWG-418

MULTIBAND SURFACE MOUNT ANTENNA

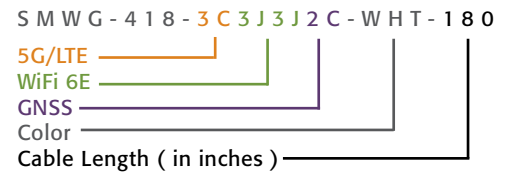
PRODUCT OVERVIEW

The SMWG-418 Surface Mount Antenna (1x 5G/LTE, 2x WiFi 6E, 1x GNSS) is an upgrade to our SMW Multiband Mobile Antenna. It is an ideal fleet management solution, with the option to be used as an infrastructure and fixed-site solution. For a temporary but stable installation, ask about the mag mount version of this model, the MGWG-418. This model is our most wide bandwidth coverage for the SMW series. Custom cables and connectors are available upon request. You may order this in a standard GPS configuration.

Visit our [eStore](#) to purchase an Antenna Online.

Electrical Specifications		
Frequency & Gain	5G/LTE Cable 1	617-960 MHz, 3 dBi 1710-7200 MHz, 5 dBi
	WiFi 6E Cables 2 & 3	2.4-2.5 & 4.9-7.2 GHz, 5 dBi
	GNSS Cable 4	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi
VSWR	< 2.5:1 max over range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain	26 dB +/- 3 dB
	Amplifier Bias Voltage	2.7 to 5 VDC
	Noise Figure	2.0 dB max, 1.5 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Stable Plastic, Available in Black or White
Radome Dimension	4.20" D x 3.20" H (107 mm x 81 mm) add 1/2" (13 mm) for mag base
Standard Connectors	SMA Plugs (Male) for 5G/LTE & GNSS, and Rev Pol SMA Plugs for WiFi 6E
Cables 1 - 3	Separate LL-195 15 ft (4.5 m)
GNSS Cable 4	RG-174, 15 ft (4.5 m)
Operating Temperature	-40° to +80° C
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 & nut; other stud lengths available. Specify MGWG-418 for mag-mount version
Shock & Vibration	IEEE1478, EN 61373, MIL-810G TIA 329.2-C
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted) IP67 (Mag-Mount, When Properly Mounted)
RoHS Compliant	Yes



HIGHLIGHTS:

- Multiband: 1x 5G/LTE, 2x WiFi 6E, 1x GNSS
- Frequency Coverage Up to 7.2 GHz
- High Performance, High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- MXFG708 (2x 5G/LTE, 4x WiFi 6E, 1x GNSS)
- LLPG708 (2x 5G/LTE, 4x WiFi 6E, 1x GNSS)
- MGWG-418 (Mag-Mount)
- SMW-418 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Use with Advanced 5G/WiFi 6E Multiband Modems
- High Capacity Data Transmission on WiFi 6E
- Single Element 5G for Data Monitoring



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