

MXFG508

SURFACE MOUNT MIMO MAXFIN ANTENNA

PRODUCT OVERVIEW

The MaxFin 508 Antenna (2x Global 5G/LTE, 2x WiFi 6E, 1x GNSS) provides complete coverage over all Cellular and WiFi 6E Frequencies, along with operation over GNSS Frequencies. GNSS operates on GPS, Galileo, Glonass, QZSS and Beidou at 1561, 1575, & 1602 MHz. Multiple WiFi 6E and Cellular elements provides MIMO coverage for both. This array of elements allows for a highly versatile antenna, while still managing to maintain a sleek and compact form, with all 5 elements being contained within the narrow profile of the MaxFin series radomes.

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

Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1 - 2	617-960 MHz, 3 dBi Peak 1710-6000 MHz, 4 dBi Peak
	WiFi 6E Cables 3 - 4	2.4-2.5 GHz, 5 dBi Peak 4.9-7.2 GHz, 5 dBi Peak
	GNSS Cable 5	1561, 1575 & 1602 MHz, 5 dBi Peak
VSWR	5G/LTE - < 2.5:1 Over Range WiFi 6E - < 2.5:1 Over Range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain & Bias Voltage	26 dB 3 to 5 VDC
	Noise Figure	2.0 dB max, 1.7 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black and White
Radome Dimension	2.25" Wide (57 mm) x 7.50" Length (190 mm) x 2.50" Height (64 mm) Mag-Mount Option: 2.95" Height (75 mm)
Standard Connectors	3x SMA Plug (Male) for 5G/LTE and GNSS 2x Rev Pol SMA Plug (Male) for WiFi 6E
15 Feet (4.5 m) Cables	LL-195 Cables for 5G/LTE and WiFi 6E RG-174 Cable for GNSS
Operating Temperature	-40° to +80° C
Mounting	Stud Mount - 7/8" Dia. (22.22 mm) feed through. 3/4" lg. (19 mm) thread for up to 1/2" (12.7 mm) surface Mag-Mount Option Available
Water Ingress	IP67 (When Properly Mounted)
Shock and Vibration	IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
RoHS Compliant	Yes



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HIGHLIGHTS:

- 5 Cables (2x 5G/LTE, 2x WiFi 6E, 1x GNSS)
- MIMO 5G/LTE & WiFi 6E
- Omni-Directional
- Made-in-the-USA & UK

RELATED MODELS:

- LTMG508 (2x 5G/LTE, 2x WiFi 6E, 1x GNSS)
- LLPG508 (Low Profile, Same Elements)
- MXF508 (GPS Only Configuration)
- MMXFG508 (Mag-Mount Option)

COMMON APPLICATIONS:

- Fleet Management
- Installations Requiring Sleek Profile
- Public Safety Vehicles
- Fits Between Roof Ridges of a Ford Interceptor SUV



US Headquarters +1.847.671.6690 • US/CA Toll Free +1.800.648.2800
European Facility +44.1543.459555 • www.MobileMark.com

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