

LTMG508

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The LTMG508 is an 5-cable antenna with 2x 5G/LTE, 2x WiFi 6e, and 1x GNSS. With up to 5 antenna elements in a sleek small form factor, it is one of the smallest in the industry. It provides a good match for the dual-carrier modems that have two pairs of Cellular MIMO elements. All of our 5G antennas are backwards compatible for 4G LTE. The GNSS bandwidth operates on GPS, Galileo, Glonass, QZSS or Beidou.

The Global 5G ready antenna element covers: 617-960 & 1710-7200 MHz. Cellular coverage includes these bands: CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz and Band 71 at 617-698 MHz.

Specify LTM508 for a model configured with GPS only. Specify LTM508 for a Mag-Mount.

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

Electrical Specifications		
Frequency & Gain	5G Sub-6 Cables 1 & 2	617 - 960 MHz, 3 dBi 1710 - 6000 MHz, 4 dBi
	WiFi Cables 3 & 4	2.4 - 2.5 & 4.9 - 7.2 GHz, 5 dBi
	GNSS Cable 5	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	617 - 960	2.2:1 MAX, < 2:1 TYP.
	1710 - 6000	< 2:1
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-Inhibitive Plastic, Available in Black or White
Radome Base Material	Corrosion Resistant Aluminum
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height
Optional Mag-Mount	add 0.50"(13 mm) for height dimension
Standard Connectors (MALE)	SMA Plugs for 5G Sub-6 & GNSS, Rev Pol SMA Plugs for WiFi
Cables 1 - 4	Separate LL-195, 15 ft (4.5 m)
GNSS Cable 5	RG-174, 15 ft (4.5 m)
Operating Temperature	-40° to +80° C
Mounting	7/8" (22 mm) Dia. Feed Through 3/4" (19 mm) lg. Thread for up to 1/2" (13 mm) Thick Surface
Shock & Vibration	IEEE-1478, 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



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HIGHLIGHTS:

- Multiband: 2x 5G Sub-6, 2x WiFi 6e, 1x GNSS
- Covers Sub-6 5G Ready 617 - 6000 MHz
- WiFi 6e and WiFi 7 ready, Including CBRS & Band 71
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LLPG508 (Same Freq, Lower Profile)
- MXFG508 (Same Freq, MaxFin Style)
- LTM508 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- WiFi Data Transfer
- Multiband Modems
- Public Transportation



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