

LTMG608

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 6-cable LTMG608 antenna includes two Global 5G Sub-6 elements, three WiFi 6e elements and one GNSS element. This provides MIMO (multiple-input-multiple-output) coverage for both Cellular and WiFi. In addition, GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou.

The Global LTE 5G-ready antenna element covers: 617-960 & 1710-6000 MHz. Cellular coverage includes these bands: CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz and Band 71 at 617-698 MHz.

This 6 element antenna is part of our [6x6 line](#) with a wider bandwidth covering 5G sub-6 frequency.

Specify LTM608 for a model configured with GPS only. Mag-Mount option is not available for this model. 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 - 5	2.4 - 2.5 & 4.9- 7.2 GHz, 5 dBi
	GNSS Cable 6	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
Standard Connectors (MALE)	SMA Plugs for 5G Sub-6 & GNSS, Rev Pol SMA Plugs for WiFi
Cables 1 - 5	Separate LL-195, 15 ft (4.5 m)
GNSS Cable 6	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)
RoHS Compliant	Yes



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5G Sub-6 Cables ↓

WiFi Cables ↓

GNSS ↓

Color ↓

Cable Length (in inches) ↓

HIGHLIGHTS:

- Multiband: 2x 5G Sub-6, 3x WiFi 6e, 1x GNSS
- Covers Sub-6 5G 617 - 6000 MHz Including CBRS & Band 71
- WiFi 6e and WiFi 7
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LLPG608 (Same Freq, Lower Profile)
- MXFG608 (Same Freq, MaxFin Style)
- LTM608 (GPS Model)

COMMON APPLICATIONS:

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



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