

LTMG502

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 5-cable LTMG502 contains elements for two Cellular, two WiFi, and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for Global LTE Cellular & WiFi. This antenna is ideal for fleet management systems that combine GNSS with a broadband LTE MIMO and WiFi modem. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou. This antenna is recommended as a replacement for the LTM501 and the LTMG501 due to its wider cellular bandwidth.

Specify LTM for units with GPS and LTMG for units with full GNSS coverage.

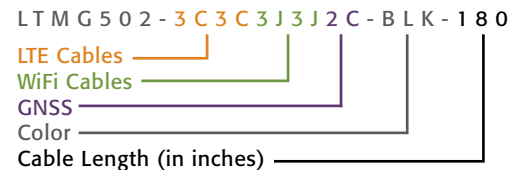
Specify MLTMG or MLTM for Mag Mounted units.

Specify CLTM or for Ceiling Mounted units.

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

Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694 - 960 MHz, 3 dBi 1710 - 3700 MHz, 4 dBi
	WiFi Cables 3 & 4	2.4-2.5 & 4.9-6.0 GHz, 5 dBi
	GNSS Cable 5	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2:1 VSWR 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-Inhibitive Plastic, Available in Black or White
Radome Base Material	corrosion resistant aluminium
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	SMA Plugs (Male) for LTE & GNSS Rev Pol SMA for WiFi Connections
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" (22.2 mm) Dia. Feed Through 3/4" (19 mm) Long Thread for Up to 1/2" (12.7 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



HIGHLIGHTS:

- Multiband Surface Mount: 2x LTE, 2x WiFi, & 1x GNSS
- Cellular covers 694 - 3700 MHz
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LLPG502 (Lower Profile)
- MXFG502 (Same Freq, MaxFin Design)
- LTMG508 (Wider Coverage on 5G Sub-6)
- CLTM502 (Ceiling Mount Model)
- MLTMG502 (Mag Mount Model)
- LTM502 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Multiband Modems
- Public Transportation



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

Moving Wireless Forward®