

## 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.

Specify LTM for units with GPS and LTMG for units with GPS/GLONASS.

Specify MLTMG or MLTM for Mag Mounted units.

Specify CLTM or CLTMG for Ceiling Mounted units.

Visit our [eStore](#) to customize 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 Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height
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
Water Ingress	IP67 (When Properly Mounted)
RoHS Compliant	Yes



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LTE Cables ————

WiFi Cables ————

GNSS ————

Color ————

Cable Length (in inches) ————

#### HIGHLIGHTS:

- Multiband Surface Mount:  
2x LTE, 2x WiFi, & 1x GNSS
- 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



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