

# LTMG502

## 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.

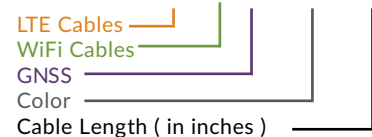
Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694 - 960 MHz, 3 dBi 1710 - 3700 MHz, 4 dBi
	WiFi Cables 3 & 4	2.4-2.5 & 4.9-6.0 GHz, 5 dBi
	GNSS Cable 5	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi ( RHCP )
VSWR	< 2:1 VSWR over range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Aplifier Gain	26 dB
	Amplifier Bias Voltage	3 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	5.5" ( 13.9 cm ) in diameter 2.38" ( 6.0 cm ) in height
Standard Connectors	SMA Plugs ( Male ) for LTE & GNSS Rev Pol SMA for WiFi Connections
Cables 1 - 4	Separate LL-195, 15 ft ( 4.5m )
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	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Water Ingress	IP 67 When Properly Mounted



## MULTI-BAND ANTENNA

LTMG502-3C3C3J3J2C-BLK-180



## 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