

# LTMG702

## PRODUCT OVERVIEW

The 7-cable LTMG702 contains elements for two Cellular antennas, four WiFi antennas and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for both Global Cellular and WiFi. This antenna is ideal for fleet management systems that combine GNSS with a broadband LTE MIMO modem as well as a WiFi MIMO modem. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou.

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

Visit our eStore to customize an Antenna Online.

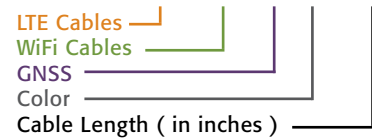
| Electrical Specifications |                          |  |
|---------------------------|--------------------------|--|
| Frequency & Gain          | LTE Cables 1 & 2         | 694 - 960 MHz, 3 dBi<br>1710 - 3700 MHz, 4 dBi       |
|                           | WiFi Cables 3, 4, 5, & 6 | 2.4 - 2.5 & 4.9 - 6 GHz,<br>5 dBi                    |
|                           | GNSS Cable 7             | 1561, 1575, & 1602 MHz,<br>LNA 26 dB, 5 dBi ( RHCP ) |
| VSWR                      | < 2:1 VSWR over range    |  |
| Impedance                 | 50 Ohm Nominal           |  |
| Power Rating              | 10 Watts                 |  |
| GNSS                      | Aplifier Gain            | 16 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,<br>Available in Black or White  |
| Radome Dimension             | 5.5" ( 13.9 cm ) in diameter<br>2.38" ( 6.0 cm ) in height   |
| Standard Connectors ( MALE ) | SMA Plugs for LTE & GNSS,<br>Rev Pol SMA Plugs for WiFi  |
| Cables 1 - 6                 | Separate LL-195, 15 ft ( 4.5m )  |
| GNSS Cable 7                 | RG-174, 15 ft ( 4.5 m )  |
| Operating Temperature        | -40° to +80° C   |
| Mounting                     | 7/8" ( 22.2 mm ) Dia. Feed Through<br>3/4" ( 19 mm ) Long Thread for Up to<br>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

LTMG702-3C3C3J3J3J3J2C-BLK-180



### HIGHLIGHTS:

- Multiband:  
2x LTE, 4x WiFi, 1x GNSS
- Covers 694 - 3700 MHz,  
Including CBRS
- High Performance; High Gain
- Made-in-the-USA & UK

### RELATED MODELS:

- LLPG702  
( Same Freq, Lower Profile )
- MXFG702  
( Same Freq, MaxFin Style )
- LTMG708  
( Wider Coverage on 5G Sub-6 )
- LTM702  
( GPS Model )

### COMMON APPLICATIONS:

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



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