

LTMG702

MULTIBAND SURFACE MOUNT ANTENNA

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 full GNSS coverage.

Mag-Mount option is not available for this model.

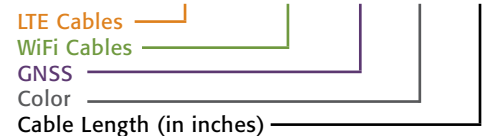
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Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694 - 960 MHz, 3 dBi 1710 - 3700 MHz, 4 dBi
	WiFi Cables 3 - 6	2.4 - 2.5 & 4.9 - 6 GHz, 5 dBi
	GNSS Cable 7	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2:1 VSWR Over Range	
Impedance	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 Aluminum
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height
Standard Connectors (MALE)	SMA Plugs for LTE & GNSS, Rev Pol SMA Plugs for WiFi
Cables 1 - 6	Separate LL-195, 15 ft (4.5 m)
GNSS Cable 7	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



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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