

LTMG401

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 4-cable LTMG401 contains 2x LTE, 1x WiFi and 1x GNSS element. This provides MIMO (multiple-input-multiple-output) coverage for LTE. It is recommended that users of the LTMG401 switch to the LTMG402 which goes up to 3700 MHz. This antenna can be used for fleet management systems that combine GNSS with an LTE MIMO modem. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou.

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

Specify MLTMG or MLTM for Mag Mounted units.

Specify CLTM for Ceiling Mounted units.

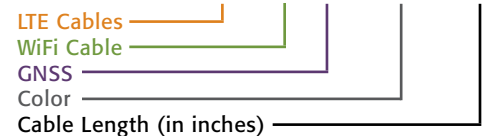
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Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694 - 960 MHz, 3 dBi 1710 - 2170 MHz, 4 dBi
	WiFi Cable 3	2.4-2.5 & 4.9-6.0 GHz, 5 dBi
	GNSS Cable 4	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2:1 VSWR Over Range	
Impedance	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
Optional Mag-Mount	add 0.50"(13 mm) for height dimension
Standard (Male) Connectors	SMA Plugs for LTE & GNSS, Rev Pol SMA Plug for WiFi
Cables 1 - 3	Separate LL-195, 15 ft (4.5 m)
GNSS Cable 4	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) Ig. 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)
	IP67 (Mag-Mount, When Properly Mounted)
RoHS Compliant	Yes



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HIGHLIGHTS:

- Multiband Surface Mount: 2x LTE, 1x WiFi, & 1x GNSS
- Covers 694 - 2170 MHz
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LTMG402 (upgrade to 3700 MHz)
- CLTM401 (Ceiling Mount Model)
- MLTMG401 (Mag Mount Model)
- LTM401 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Multiband Modems
- Public Transportation



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