



LTM301 multi-band 3-cable Cellular/LTE MIMO & GPS

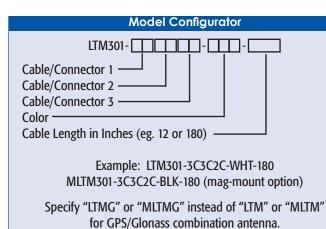
- 3-cables: two Cellular/LTE and one GPS
- Cellular/LTE elements used for either Diversity or MIMO
- Field proven design; dependable link
- Mechanically sound, meets Industrial & Military specs

Mobile Mark's LTM301 Series Multiband Diversity/MIMO antenna contains three separate antennas, all in one compact antenna housing: two identical Cellular & LTE 700 MHz elements and one GPS element.

LTE MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems, but in order to ensure optimum performance the LTE MIMO system needs multiple antennas on both the transmission and receive ends.

This 3-element LTM antenna is designed for fleet management systems that combine a GPS receiver with a 2-element LTE MIMO modem. For fleet management systems that add in a WiFi modem, the LTM401 (for WiFi MIMO modems) and the LTM301 (for non-MIMO WiFi modems) are recommended.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), LTM series antennas take up significantly less space than multiple antennas. The radome is available in either black or white. The antennas are available in either surface mount or mag-mount models. The antennas can also be configured for combined GPS & Glonass use.



Cable Options: **Connector Options: Color Options:** Code Cable Code Connector Code Color **RG-58** Α TNC WHT White RG-174 C SMA **BLK** Black

> **RP SMA RP TNC**

> > (Other Configurations available.)

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Frequency & Gain (peak)*: Cable 1 & 2 (Cellular/LTE)

1710-2170 MHz, 4 dBi

694-960 MHz, 3 dBi &

1575.42 +/- 2 MHz, 26 dB, 5 dBi Cable 3 (GPS)

VSWR*: 2:1 VSWR over Range Impedance: 50 Ohm Nominal Maximum Power: 10 Watts Case.

Surface Mount 5.50" Dia. x 2.38" High (140mm x 60.4mm)

5.50" Dia. x 2.78" High Magnet Mount (140mm x 70.6mm)

Radome Material: **ASA UV-Stable Plastic**

Operating Temperature: Connectors:

RF-195

K

Cable: Cable 1-2

1

2

3

Cable 3 (GPS) LTM Mounting:

MLTM Mounting: Shock & Vibration:

Water Ingress:

-40° to +80° C SMA Plugs standard. Others Available

Separate RF-195,15 ft (4.5 meters) standard RG-174, 15 ft (4.5 meters) 7/8" (22mm) Dia. Feed through 3/4"(19mm)Long Thread for up to 1/2" (12mm)thick surface Magnet mount IEEE1478, EN61373, MIL-810G,

TIA 329.2-C

IP67

*Measured on 1' ground with 1' cable