



Mag-Mount

Mobile Mark's LTM401 Series Multiband Diversity/MIMO antenna contains four separate antennas, all in one compact antenna housing: two identical LTE 700 MHz & Cellular antennas, one 2.4/5 GHz dual-band WiFi antenna, and one GPS antenna.

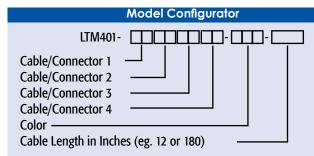
MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. They achieve this by sending RF signals on multiple antenna elements to maximize the amount of information transmitted and received, but in order to ensure optimum performance the systems need multiple antennas on both the transmission and receive ends.

This 4-element LTM antenna is designed for fleet management systems that combine GPS with a single element WiFi (non-MIMO) modem as well as a 2-element LTE MIMO modem. For systems that require Global LTE up to 3700 MHz the 4-cable LTM402 is recommended.

Measuring 5.5" (14 cm) in diameter with a low profile of 2.38" (6.04 cm), LTM series antennas take up significantly less space than multiple antennas and cut down on installation time and costs by offering a single mounting hole.

LTM401 multi-band 4-cable Cellular/LTE MIMO, WiFi & GPS

- 4-cables: two for Cellular/LTE, one for WiFi, and one for GPS
- Cellular/LTE elements used for either Diversity or MIMO
- Meets Industrial & Military specs



Example: LTM401-3C3C3C2C-WHT-180 MLTM401-3C3C3C2C-BLK-180 (mag-mount option)

Specify "LTMG" or "MLTMG" instead of "LTM" or "MLTM" for GPS/Glonass combination antenna.

Cable Options:		Connec	tor Options:	Color Options:	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	<u>Color</u>
1	RG-58	Α	TNC	WHT	White
2	RG-174	C	SMA	BLK	Black
3	LL-195	J	RP SMA		

(Other Configurations available.)

Specifications

Frequency & Gain (peak)*:

Cable 1 & 2 (LTE)

Cable 3 (WiFi)

Cable 4 (GPS)

GPS & Glonass Option:

VSWR*:

Impedance:

Maximum Power:

Case.

Surface Mount

Magnet Mount

Radome Material:

694-960 MHz, 3 dBi & 1710-2170 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 1575.42 +/- 2 MHz, 26 dB, 5 dBi 1575 MHz & 1602 MHz 2:1 VSWR over Range 50 Ohm Nominal

10 Watts

5.50" Dia. x 2.38" High (14 cm x 6.04 cm) 5.50" Dia. x 2.78" High (14 cm x 7.06 cm) **ASA UV-Stable Plastic**

Operating Temperature: Connectors:

Cable:

Cable 1-3

Cable 4 (GPS)

LTM Mounting:

MLTM Mounting:

Shock & Vibration: Water Ingress:

-40° to +80° C **SMA Plugs standard**

Separate LL-195,15 ft (4.5 m) standard

RG-174, 15 ft (4.5 m)

7/8" (2.2 cm) Dia. Feed through 3/4"(1.9 cm)Long Thread for up to 1/2"(1.2 cm) thick surface

Magnet mount

IEEE1478, EN61373, MIL-810G, TIA 329.2-C

IP67

*Measured on 1'(30cm) ground with 1'(30cm) cable