



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

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.

Model Configurator

LTM401- - -

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Cable/Connector 1 | | | | | | | | |
| Cable/Connector 2 | | | | | | | | |
| Cable/Connector 3 | | | | | | | | |
| Cable/Connector 4 | | | | | | | | |
| Color | | | | | | | | |
| Cable Length in Inches (eg. 12 or 180) | | | | | | | | |

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: | | Connector Options: | | Color Options: | |
|----------------|--------|--------------------|-----------|----------------|-------|
| Code | Cable | Code | Connector | Code | Color |
| 1 | RG-58 | A | TNC | WHT | White |
| 2 | RG-174 | C | SMA | BLK | Black |
| 3 | LL-195 | J | RP SMA | | |

(Other Configurations available.)

Specifications

| | | | |
|--------------------------------------|---|-------------------------------|--|
| Frequency & Gain (peak)*: | | Operating Temperature: | -40° to +80° C |
| Cable 1 & 2 (LTE) | 694-960 MHz, 3 dBi & 1710-2170 MHz, 4 dBi | Connectors: | SMA Plugs standard |
| Cable 3 (WiFi) | 2.4-2.5 & 4.9-6.0 GHz, 5 dBi | Cable: | |
| Cable 4 (GPS) | 1575.42 +/- 2 MHz, 26 dB, 5 dBi | Cable 1-3 | Separate LL-195, 15 ft (4.5 m) standard |
| GPS & Glonass Option: | 1575 MHz & 1602 MHz | Cable 4 (GPS) | RG-174, 15 ft (4.5 m) |
| VSWR*: | 2:1 VSWR over Range | LTM Mounting: | 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 |
| Impedance: | 50 Ohm Nominal | MLTM Mounting: | |
| Maximum Power: | 10 Watts | Shock & Vibration: | IEEE1478, EN61373, MIL-810G, TIA 329.2-C |
| Case: | | Water Ingress: | IP67 |
| Surface Mount | 5.50" Dia. x 2.38" High (14 cm x 6.04 cm) | | |
| Magnet Mount | 5.50" Dia. x 2.78" High (14 cm x 7.06 cm) | | |
| Radome Material: | ASA UV-Stable Plastic | | |

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