



Mobile Mark's LTM503 Series Multiband Diversity/MIMO antenna contains five separate antennas, all in one compact antenna housing: two broadband LTE/Cellular antennas, one dual-band WiFi antenna, one Iridium® antenna and one GPS antenna. The LTM503 differs from the LTM501 in that it covers the Iridium frequencies from 1616-1626.5 MHz.

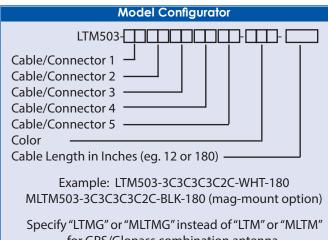
LTE MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems.

With 5-elements, the new LTM503 antenna is ideal for fleet management systems that combine GPS & Glonass with any Global LTE MIMO modem as well as WiFi MIMO modem.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60mm), the 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. The antennas are available in either surface-mount or mag-mount and can also be configured for combined GPS & Glonass use.

LTM503 5-cable: Global LTE MIMO, WiFi, Iridium® & GPS

- 5-cables: two for Global Cellular/LTE, one for WiFi, one for Iridium and one for GPS
- Covers all Cellular & LTE frequencies worldwide, from 694 MHz to 3700 MHz
- For fleet management apps. requiring Iridium coverage



for GPS/Glonass combination antenna.

| Cable Options: | | Connector 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 | | |
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(Other Configurations available.)

| Specifications | | | | | | | |
|---------------------------|--|---|---|--|--|--|--|
| Frequency & Gain (peak)*: | 694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 1616-1626.5 MHz 1575 MHz, 26 dB, 5 dBic 1575 Mhz & 1612 MHz 2:1 VSWR over Range 50 Ohm Nominal 10 Watts 2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical | Magnet Mount Radome Material: Operating Temperature: Connectors: Cable: Cable 1-4 Cable 5 (GPS) LTM Mounting: MLTM Mounting: Shock & Vibration: | 5.50" Dia. x 2.78" High (140mm x 70.6mm) ASA UV-Stable Plastic -40° to +80° C SMA Plugs Standard Separate LL-195,15 ft (4.5m) RG-174, 15 ft (4.5 meters) 7/8" (22mm) Dia. Feed thru 3/4" (19mm)Long thread for up to 1/2" (13mm) thick surface Magnet mount IEEE1478, EN61373, MIL- 810G, TIA 329.2-C | | | | |
| Surface Mount | 5.50" Dia. x 2.38" High (140mm x 60.4mm) | Water Ingress: *Measured on 1 | IPX7 '(30cm) ground with 1'(30cm) cable | | | | |