



## LTM503 5-cable: Multiband MIMO, WiFi, Iridium & GPS

- 5-cables: two for dual LTE, one for WiFi, one for Iridium and one for GPS
- Covers all Cellular & LTE frequencies from 694 MHz to 2170 MHz
- Multi-band Diversity/MIMO Antenna

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", 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.

**Model Configurator**

LTM503-

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Cable/Connector 5

Color

Cable Length in Inches (eg. 12 or 180)

Example: LTM503-3C3C3C3C2C-WHT-180  
 MLTM503-3C3C3C3C2C-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)*: Cable 1 & 2 (Global LTE)  Cable 3 (WiFi) Cable 4 (Iridium) Cable 5 (GPS)  VSWR*: Impedance: Maximum Power: GPS Amplifier Bias: Noise Figure: Current:  Case size: Surface Mount  Magnet Mount	694-960 MHz, 3 dBi & 1710-2170 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 1616-1626.5 MHz 1575 MHz, 26 dB, 5 dBi 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  5.50" Dia. x 2.38" High (140mm x 60.4mm) 5.50" Dia. x 2.78" High	(140mm x 70.6mm) Radome Material: ASA UV-Stable Plastic Operating Temperature: -40° to +80° C Connectors: Cable: Cable 1-4 Cable 5 (GPS) LTM Mounting:  MLTM Mounting: Shock & Vibration:  Water Ingress:
		SMA Plugs Standard Separate RF-195, 15 ft (4.5m) RG-174, 15 ft (4.5 meters) 7/8" (22mm) Dia. Feed through 3/4" (19mm) Long Thread for up to 1/2" (13mm) thick surface Magnet mount IEEE1478, EN61373, MIL-810G, TIA 329.2-C IPX7