



Mobile Mark's LTM506 Series Multiband Diversity/MIMO antenna contains five separate antennas, all in one compact antenna housing: two broadband LTE/Cellular antennas, two WIMAX/High frequency antennas, and one GPS antenna. The broadband LTE/Cellular element covers all LTE frequencies worldwide, from 694-3700 MHz.

The WIMAX elemnt covers 330-3800 MHz, MIMO (multipleinput-multiple-output) modems offer greater speed and capacity than earlier generations of modems.

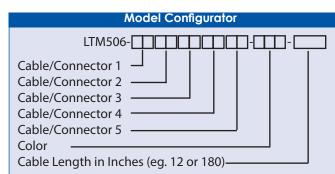
With 5-elements, the new LTM506 antenna is ideal for fleet management systems that combine GPS with both any Global LTE MIMO modem as well as WIMAX MIMO modem.

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 magmount and can also be configured for combined GPS & Glonass.

LTM506 5-cable: Global LTE, WIMAX & GPS

- 5-cables: two for Global Cellular/LTE, two for WIMAX, and one for GPS
- Covers all Cellular & LTE frequencies worldwide, from 694 MHz to 3700 MHz
- WiMAX (3.3-3.8 GHz) elements can be used for MIMO or for separate modems



Example: LTM506-3C3C3C3C2C-WHT-180 MLTM506-3C3C3C3C2C-BLK-180 (mag-mount option)

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

Cable Options:		Connect	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	RF-195	J	RP SMA			

(Other Configurations available.)

Sp					

Frequency & Gain (peak): Cable 1 & 2 (Global LTE)

Cables 3 & 4 (WIMAX) Cable 5 (GPS)

OPTIONAL GPS&Glonass VSWR:

Impedance: Maximum Power: Case size:

Surface Mount

Magnet Mount

Radome Material:

694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi 3300-3800 MHz 1575 MHz, 26 dB, 5 dBi 1575 -1602 MHz 2:1 VSWR over Range

50 Ohm Nominal 10 Watts

5.50" Dia. x 2.38" High (140mm x 60.4mm) 5.50" Dia. x 2.78" High (140mm x 70.6mm) **ASA UV-Stable Plastic**

Operating Temperature: Connectors:

Cable 1-4 LTM Mounting:

Cable: Cable 5 (GPS)

MLTM Mounting: Shock & Vibration:

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 sur face

-40° to +80° C

SMA Plugs standard

Magnet mount

IEEE1478, EN61373, MIL-801G, TIA 329.2-C

Water Ingress: **IP67**