



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

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 element covers 330-3800 MHz, MIMO (multiple-input-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 magnet-mount and can also be configured for combined GPS & Glonass.

Model Configurator

LTM506-

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: 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:		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	RF-195	J	RP SMA		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak):		Operating Temperature:	-40° to +80° C
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi	Connectors:	SMA Plugs standard
Cables 3 & 4 (WIMAX)	3300-3800 MHz	Cable:	Cable 1-4 Separate RF-195, 15 ft (4.5m)
Cable 5 (GPS)	1575 MHz, 26 dB, 5 dBi	Cable 5 (GPS)	RG-174, 15 ft (4.5 meters)
OPTIONAL GPS&Glonass	1575 -1602 MHz	LTM Mounting:	7/8" (22mm) Dia. Feed through
VSWR:	2:1 VSWR over Range		3/4"(19mm)Long Thread for up to 1/2" (13mm)thick surface
Impedance:	50 Ohm Nominal	MLTM Mounting:	Magnet mount
Maximum Power:	10 Watts	Shock & Vibration:	IEEE1478, EN61373, MIL-801G, TIA 329.2-C
Case size:		Water Ingress:	IP67
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)		
Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)		
Radome Material:	ASA UV-Stable Plastic		