

USAT | Product Datasheet





Mobile Mark's LTM507 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 LTM507 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.

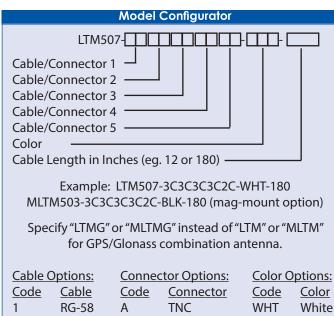
With 5-elements, the new LTM507 antenna is ideal for fleet management systems that combine GPS & Glonass with any Global LTE MIMO modem as well as WiFi MIMO modem.

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.

Specifications subject to change without notice (03/2017)

LTM507 5-cable: Global LTE MIMO, WiFi, Iridium & GPS

- 5-cables: two for Global Cellualr/LTE, one for WiFi, one for Iridium and one for GPS
- Covers all Cellular & LTE frequencies from 694 MHz to 3700 MHz
- Multi-band Diversity/MIMO Antenna



Cable Options:		Connector Options:		Color Options:		
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<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			

(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** 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 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)

Magnet Mount

Radome Material: Operating Temperature: Connectors:

Cable: Cable 1-4 Cable 5 (GPS)

LTM Mounting:

MLTM Mounting: Shock & Vibration:

Water Ingress:

5.50" Dia. x 2.78" High (140mm x 70.6mm) ASA UV-Stable Plastic -40° to +80° C

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

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