

LTMG-503 5-Cable MLTMG-503

Multiband Cellular MIMO Combo Surface Mount Antenna

PRODUCT OVERVIEW

The LTM503 Series is a compact multiband Cellular MIMO combo antenna integrating five elements in a single housing: two broadband LTE/Cellular antennas, one dual-band WiFi antenna, one Iridium® antenna, and one GNSS antenna. The LTM503 differs from the LTM501 by supporting Iridium frequencies from 1616–1626.5 MHz.

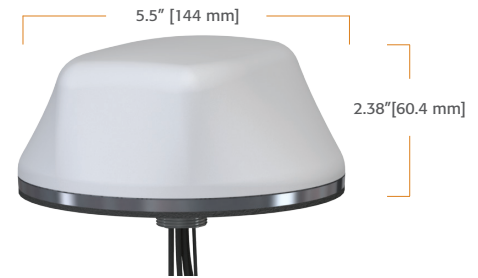
- **High-Performance Connectivity:** Optimized for modern Global LTE MIMO and multi-network mobile systems, delivering fast data throughput and reliable positioning.
- **Compact, All-in-One Design:** Replaces multiple antennas with a single low-profile housing to reduce roof clutter, minimize installation time, and lower system cost.
- **Flexible Mounting Options:** Low-profile housing available in surface-mount or mag-mount configurations, simplifying installation across a wide range of vehicles

Tested and trusted, Mobile Mark focuses on quality, fast delivery, and leveraging the expertise of highly skilled professionals, specializing in customizable manufacturing solutions across North America and Europe. By combining advanced technologies with comprehensive team knowledge, we ensure tailored products that meet diverse needs, all delivered efficiently to exceed expectations.


To purchase, visit www.TheAntennaStore.com.

Electrical Specifications		
Frequency & Gain	Cable 1 & 2 (Global LTE)	694 - 960 MHz, 3 dBi 1710 - 2100 MHz, 4 dBi
	Cable 3 (WiFi)	2.4 - 2.5 & 5 - 6 GHz, 4 & 5 dBi
	Cable 4 (Iridium®)	1616 - 1626.5 MHz, 3.5 dBi
	Cable 5 (GNSS)	1561, 1575 & 1602 MHz
	Cable 5 (GPS only)	1575 MHz, 26 dB, 5dBi
VSWR	2.5:1 VSWR over Range	
Maximum Power	10 Watts	
Impedance	50 Ohms Nominal	
GPS	Amplifier Bias	3.3/5 VDC
	Noise Figure	2.0 dB max, 1.7 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White
Standard Connectors	SMA Plugs (Male)
Cables 1-4	Separate Low Loss 195, 15 ft (4.5 m)
GNSS Cable 5 (GNSS & GPS)	RG-174, 15 ft (4.5 m)
Operating Temperature	-40° to +80° C
LTMG Dimensions	5.5" Dia x 2.38" H (140 mm x 60.4 mm)
LTMG Mounting	7/8" (22 mm) Diameter Feed Thru, 3/4" (19 mm) Long Thread for up to 1/2" (13 mm) Thick surface
MLTMG Dimensions	5.5" Dia x 2.78" H (140 mm x 70.6 mm)
MLTMG Mounting	Magnet Mount
Water Ingress	IPX7
Shock and Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C



HIGHLIGHTS:

- Cellular MIMO Combo Antenna
- Five Integrated RF Elements
- Low-Profile Design for Mobile Applications
- Manufactured in North America & Europe 

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Remote and Mobile Monitoring
- Public Transportation Systems

BANDS:

- Cellular (LTE): 694-960 MHz & 1710 - 3700 MHz
- WiFi: 2.4-2.5 GHz & 4.9 - 6.0 GHz
- Iridium®: 1616 - 1626.5 MHz
- GNSS: 1561 - 1602 MHz



US Headquarters +1.847.671.6690 • US/CA Toll Free +1.800.648.2800
European Facility +44.1543.459555 • www.MobileMark.com

Moving Wireless Forward®