

**Global LTE Frequencies,
Dual-band WiFi & GPS**

**5-cable Surface
Mount Antenna
in one small
enclosure**

LTM Series

The Ultimate MIMO Antenna



- Compact radome; small size
- Rugged, heavy duty construction
- Broadband global LTE coverage
- Configurable for different systems
- Field proven design, dependable link
- Tested to industry & military specs

The LTM Series is available in several different configurations. The LTM502 is the most comprehensive model and includes 5 separate antennas: two for LTE, two for WiFi and one for GPS. This 5-cable model can support MIMO (multiple-input-multiple-output) signals for both LTE and WiFi.

For wireless systems with different requirements, three other models are available. The LTM402 antenna contains 4 separate antennas: two for LTE, one for WiFi and one for GPS. The LTM403 also contains 4 separate antennas but with a different combination: one for LTE, two for WiFi and one for GPS. The 3-cable LTM302 contains two LTE antennas and one GPS antenna.

For more information, visit www.mobilemark.com



Mobile Mark's LTM Series antenna gives you five separate antennas, and all in one compact housing!

The new MIMO (Multiple-Input-Multiple-Output) radios offer greater data speed and capacity. To ensure optimum performance, the system needs MIMO antennas on both the transmission and receive ends of the system.

That's where the power of Mobile Mark's new LTM Series Multiband Antenna really comes into play.

The new LTM Series from Mobile Mark can accommodate up to five separate antennas, all in one compact antenna housing: two LTE antennas, two WiFi antennas as well as one GPS antenna.

Your customers can take full advantage of the newest generation of multiband radios, and you can provide them with dependable, solid antennas, built to Mobile Mark's high standards.

Get the ultimate MIMO mobile antenna... get the LTM Antenna from Mobile Mark for complete, high speed LTE, WiFi and GPS connections.

Model Series	LTE Cable 1 (RF-195)	LTE Cable 2 (RF-195)	WiFi Cable 1 (RF-195)	WiFi Cable 2 (RF-195)	GPS Cable (RG-174)
LTM502 (5 cable)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)	2.4-2.5 GHz (5 dBi) & 4.9-6.0 GHz (5 dBi)	2.4-2.5 GHz (5 dBi) & 4.9-6.0 GHz (5 dBi)	1575 MHz (5 dBi, 26 dB amplifier)
LTM402 (4 cable)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)	2.4-2.5 GHz (5 dBi) & 4.9-6.0 GHz (5 dBi)		1575 MHz (5 dBi, 26 dB amplifier)
LTM403 (4 cable)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)		2.4-2.5 GHz (5 dBi) & 4.9-6.0 GHz (5 dBi)	2.4-2.5 GHz (5 dBi) & 4.9-6.0 GHz (5 dBi)	1575 MHz (5 dBi, 26 dB amplifier)
LTM302 (3 cable)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)	694-960 MHz (3 dBi) & 1710-3700 MHz (4 dBi)			1575 MHz (5 dBi, 26 dB amplifier)



Specifications	
# cables	Models with 3, 4 or 5 cables
Wireless applications	Up to LTE (2 cables), WiFi (2 cables), GPS (1 cable)
Frequencies	LTE/Cellular: 694-960 MHz & 1710-3700 MHz WiFi dual-band: 2.4-2.5 MHz & 4.9-6.0 GHz GPS: 1575 MHz
Gain	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi GPS, 5 dBi (26dB amplifier)
Cables	RG-174 for GPS, RF-195 for remaining cables
Connectors	SMA plug standard, other options available
VSWR	< 2:1 over range
Impedance	50 ohm nominal
Max Power	10 watts
Case	140mm dia. x 61 mm high (5.5" dia. x 2.38" high)
Case/Radome material	ASA UV-stable plastic
Mounting	22mm (7/8") dia feed through, 19mm (3/4") long thread for up to 13mm (1/2") thick surface
Operating temperature	-40° to +80° C

Mobile Mark can customize your antennas to allow for longer cable runs, specialized connectors or separate cable assemblies. At Mobile Mark, we'll meet your needs.

3G, 4G LTE, WiFi, GPS
choose your combination

**Field proven design,
with mix-and-match
antenna selection for
Fleet Tracking**

SMW Series

GPS Multiband Antenna



- 3 or 4 antennas in one trim enclosure
- Surface-mount & Mag-mount styles
- Made-in-the-USA at our Illinois factory
- Tested to industrial & military specs
- Rugged, heavy duty construction; IP67

Fleet management systems rely on multiple data streams: 3G Cellular, 4G LTE, WiFi, GPS, or even other wireless protocols. The SMW Series Antennas accommodate up to four different antenna elements in the same housing. Installation is simplified with no sacrifice in performance.

Field test and bench tests confirm, these multiband antennas provide outstanding performance with strong RF connections and no interference among the bands. From an electrical design perspective, the SMW antennas can't be beat.

They stand up just as well on any mechanical measure. Built to last, these antennas can withstand the toughest environments and still get rave reviews for their sleek contemporary appearance.

For more information, visit www.mobilemark.com



Get outstanding wireless performance with flexible multi-band coverage!

Mobile Mark uses cutting edge technology to efficiently combine multiple antennas in single antenna housing. When performance matters as much as appearance, these sleek, multiband antennas provide field proven, dependable coverage.

Over 40 different models; available in surface-mount or mag-mount.

The SMW Series antennas now make up the widest variety of Fleet Management Antenna Solutions in the industry and can even be tailored to meet your unique application. Over 40 different models are readily available, and Mobile Mark has the ability to mix and match many other combinations.

With applications ranging from traditional Long-Haul Trucking to Local Delivery Vans, from Public Safety to Public Transit, or from Agri-business to Mining, this antenna series has lead the way for flexible, customized, multiband coverage.

Model Series	Cable 1	Cable 2	Cable 3	GPS Cable
SMW-UMB	3G 800-1250 & 1650-2700 MHz	2.4-2.5 GHz		1575 MHz
SMW-301	3G 800-1250 & 1650-2700 MHz	2.4-2.5 & 4.9-6.0 GHz		1575 MHz
SMW-305	4G 694-894 MHz & 1.7-2.7 GHz	2.4-2.5 & 4.9-6.0 GHz		1575 MHz
SMW-310	UHF 450-470 MHz	2.4 & 4.9-6.0 GHz		1575 MHz
SMW-404	3G 800-1250 & 1650-2700 MHz	2.4 & 4.9-6.0 GHz	2.1-2.5 & 4.4-6.0 GHz	1575 MHz
SMW-412	4G 694-894 MHz & 1.7-2.7 GHz	2.4 & 4.9-6.0 GHz	2.1-2.5 & 4.4-6.0 GHz	1575 MHz
SMW-414	4G 694-960 & 1710-3700 MHz	2.4-2.5 & 4.9-6.0 GHz	2.4-2.5 & 4.9-6.0 GHz	1575 MHz

Over 40 different configurations, including GPS/Glonass combination antennas.



Specifications

# cables	3 or 4 cables
Wireless applications	Combination of: GPS, 3G Cellular, 4G LTE, WiFi, PTC 220, UHF 450, Public Safety 4.9, or DSRC 5.9
Gain	450 MHz, 2 dBi; 694-1250 MHz, 3 dBi; 1.7-6.0 GHz, 5 dBi (SMW-414: 1.7-3.7, 4 dBi); 1575 MHz, 5 dBi
Cables	RG-174 for GPS, RF-195 for all other bands
Connectors	SMA plug standard, other options available
VSWR	< 2:1 over range
Impedance	50 ohm nominal
Max Power	20 watts
Case	4.2" dia. x 3.2" high (107mm dia. x 81 mm high)
Case/Radome material	White or Black UV resistant ASA
Mounting	3/4" dia x 1/2" long (19mm x 13mm) or Mag-mount
Dust/Water Ingress	IP67
Operating Temperature	-40° to +80° C

Cable assemblies and installations accessories are available from Mobile Mark.