



CLTM501
 Antenna

CLTM501 Ceiling Mount LTE MIMO, WiFi MIMO

- 4-cables, multi-band antenna for LTE MIMO, WiFi MIMO
- Cellular/LTE elements used for either Diversity or MIMO
- Low Loss Fire Retardant LMR-195FR cable

Mobile Mark's CLTM501 Series Ceiling Mount antenna contains four separate antennas, all in one compact antenna housing: two LTE 700 MHz & Cellular antennas and two dual-band WiFi antennas.

MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. They achieve this by sending RF signals on multiple antenna elements to maximize the amount of information transmitted and received.

This new MIMO technology is used in several frequency bands, initially for 802.11n WiFi bands and more recently for LTE in the 700 MHz band. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 4-elements, the new LTM antenna is ideal for DAS & In-building systems that combine an LTE MIMO modem with a WiFi MIMO modem.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), CLTM series antennas take up significantly less space than multiple antennas and cut down on installation time and costs. The antenna is secured to the ceiling with a mounting clamp that fastened the antenna to the metal grid holding the ceiling tiles.

Model Configurator

CLTM501- - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 12 or 180)

Example: CLTM501-9Y9Y9Y9Y-WHT-12

<u>Cable Options:</u>	<u>Connector Options:</u>	<u>Color Options:</u>
Code Cable	Code Connector	Code Color
9 LMR-195FR	JA RP SMA jack	WHT White
	KA RP TNC jack	BLK Black
	V SMA jack	
	W TNC jack	
	Y N jack	

(Other Configurations available.)

Specifications			
Frequency & Gain (peak)*:		Case:	5.50" Dia. x 2.38" High (140mm x 60.4mm)
Cable 1 & 2 (LTE)	694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi	Connectors:	N jack (female) standard
Cable 3 & 4 (WiFi)	2400-2500 MHz, 5 dBi 4900-6000 MHz, 5 dBi	Cables (4):	LMR-195FR, 1 ft (30cm)
VSWR*:	2:1 VSWR over Range	Mounting hardware:	Clamp to mount antenna to ceiling tile grid included
Impedance:	50 Ohm Nominal	Shock & Vibration:	IEEEE1478, EN61373, MIL-810G, TIA 329.2-C
Maximum Power:	10 Watts	*Measured on 1' ground with 1' cable	
Radome Material:	ASA UV-Stable Plastic		
Operating Temperature:	-40° to +80° C		