



CLTM501 Antenna

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 dualband 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.

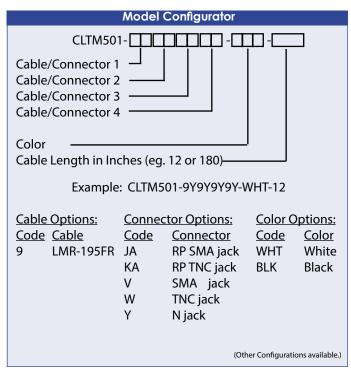
This new MIMO technology is used in several frequency bands, initially for 802.11n WiFi bands and more recently for LTE in the 700 MHz band. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 4-elements, the new LTM antenna is ideal for DAS & Inbuilding 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.

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



Specifications			
Frequency & Gain (peak)*:		Case:	5.50" Dia. x 2.38" High
Cable 1 & 2 (LTE)	694-960 MHz, 3 dBi		(140mm x 60.4mm)
	1710-2170 MHz, 4 dBi		
Cable 3 & 4 (WiFi)	2400-2500 MHz, 5 dBi	Connectors:	N jack (female) standard
	4900-6000 MHz, 5 dBi	6.11.70	LMD 4055D 4 (; (20)
VCMDX	2.4.1/5/1/12	Cables (4):	LMR-195FR, 1 ft (30cm)
VSWR*:	2:1 VSWR over Range	Mounting hardware:	Clamp to mount antenna to
Impedance:	50 Ohm Nominal	mounting naturate.	ceiling tile grid included
impedance.	30 Offili Noffilial		3 3
Maximum Power:	10 Watts	Shock & Vibration:	IEEE1478, EN61373,
Waxiii aiii i owei.	10 Wates		MIL-810G, TIA 329.2-C
Radome Material:	ASA UV-Stable Plastic		
			*Measured on 1' ground with 1' cable
Operating Temperature:	-40° to +80° C		measured on a ground with a cable