



CLTM301
 Antenna

CLTM301 Ceiling Mount Cellular & LTE MIMO

- 1-cable or 2-cables multi-band antenna for Cellular/LTE, including MIMO
- Antenna clamps to metal ceiling tile grid for easy installation
- Low Loss Fire Retardant LMR-195FR cable

Mobile Mark's CLTM301 Series Ceiling Mount antenna contains either a single element or two separate antenna elements in one compact antenna housing. The antenna covers Cellular/LTE applications from LTE at 700 Mhz to AWS/UMTS at 2.1 GHz.

LTE 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. LTE MIMO system use multiple antennas on both the transmission and receive ends. Non-MIMO systems would use a single antenna element.

This CLTM301 antennas are designed for DAS & In-Building systems that use either a single Cellular/LTE antenna element or 2-elements for Cellular/LTE MIMO. For systems that add in a WiFi modem, the CLTM501 (for WiFi MIMO modems) and the CLTM401 (for non-MIMO WiFi modems) are recommended.

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. 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

CLTM301----

Cable/Connector 1

Cable/Connector 2

Color

Cable Length in Inches (eg. 12)

Example: CLTM301-9Y9Y-WHT-12 (two elements)
 or CLTM301-9Y-WHT-12 (single element)

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

(Other Configurations available.)

Specifications			
Frequency & Gain (peak)*:	694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi	Operating Temperature:	-40° to +80° C
VSWR*:	2:1 VSWR over range	Connectors:	N jack (female) standard
Impedance:	50 Ohm Nominal	Cable:	Single cable or two cables, one cable per antenna element; LMR-195FR, 1 ft (30cm)
Maximum Power:	10 Watts	Mounting hardware:	Clamp to mount antenna to ceiling tile grid included
Case:	5.50" Dia. x 2.38" High (140mm x 60.4mm)	Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Radome Material:	ASA UV-Stable Plastic		

*Measured on 1' ground with 1' cable