

CLTM502
Antenna

Mobile Mark's CLTM502 Series Ceiling Mount antenna contains four separate antennas, all in one compact antenna housing: two broadband LTE/Cellular antennas and two dual-band WiFi antennas. The CLTM502 differs from the CLTM501 in that the broadband LTE/Cellular elements cover all Cellular & LTE frequencies worldwide, from 694-3700 MHz.

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. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

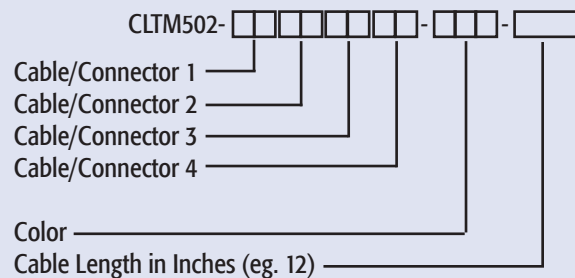
With 4-elements, the CLTM antenna is ideal for DAS & In-Building systems that combine any Global LTE MIMO modem with a WiFi MIMO modem.

The 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 CLTM to the metal grid holding the ceiling tiles.

CLTM502 Ceiling Mount Global LTE MIMO, WiFi MIMO

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

Model Configurator



Example: CLTM502-9Y9Y9Y9Y-WHT-12

Cable Options:

<u>Code</u>	<u>Cable</u>
9	LMR-195FR

Connector Options:

<u>Code</u>	<u>Connector</u>
JA	RP SMA jack
KA	RP TNC jack
V	SMA jack
W	TNC jack
Y	N jack

Color Options:

<u>Code</u>	<u>Color</u>
WHT	White
BLK	Black

(Other Configurations available.)

Specifications

Frequency & Gain (peak)*:	
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi
Cable 3 & 4 (WiFi)	2400-2500 MHz, 5 dBi 4900-6000 MHz, 5 dBi
VSWR*:	2:1 VSWR over Range
Impedance:	50 Ohm Nominal
Maximum Power:	10 Watts
Radome Material:	ASA UV-Stable Plastic
Operating Temperature:	-40° to +80° C

Case:	5.50" Dia. x 2.38" High (140mm x 60.4mm)
Connectors:	N jack (female) standard
Cables (4):	LMR-195FR, 1ft (30.5 cm)
Mounting hardware:	Clamp to mount antenna to ceiling tile grid included
Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C

*Measured on 1' ground with 1' cable