MobileMark
antenna solutions

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CLTM403 Ceiling Mount Cellular/LTE, WiFi MIMO

CLTM403
Antenna

- 3-cables, multi-band antenna: one for Cellular/LTE and two for WiFi MIMO
- WiFi elements can be used for MIMO modem or for separate WiFi modems
- Antenna clamps onto metal ceiling tile grid for easy installation
- Attractive, low profile radome

Mobile Mark's CLTM403 Multi-band Ceiling Mount antenna contains three separate antennas, all in one compact antenna housing: one Cellular/LTE antenna and two dual-band WiFi antennas.

WiFi 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, but in order to ensure optimum performance the systems need multiple antennas on both the transmission and receive ends.

This 3-element CLTM antenna is designed for DAS & In-Building systems that combine a 2-element WiFi MIMO modem with a single element LTE/Cellular modem. For systems that require MIMO on the both bands, the 4-cable CLTM502 is 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 and cut down on installation time and costs by offering a single mounting hole. 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

CLTM403-□□□□□-□□□-□□□

- Cable/Connector 1
- Cable/Connector 2
- Cable/Connector 3
- Color
- Cable Length in Inches (eg. 12)

Example: CLTM403-9Y9Y9Y-WHT-12

Cable Options:	
Code	Cable
9	LMR-195FR

Connector Options:	
Code	Connector
JA	RP SMA jack
KA	RP TNC jack
V	SMA jack
W	TNC jack
Y	N jack

Color Options:	
Code	Color
WHT	White
BLK	Black

(Other Configurations available.)

Specifications

Frequency & Gain (peak)*:	
Cable 1 (LTE)	694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi
Cable 2 & 3 (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 (3):	LMR-195FR, 1 ft (30cm)
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