



CLTM101
 Antenna

CLTM101 Ceiling Mount UHF, 420-470 MHz

- 1-cable antenna for UHF
- Antenna clamps to metal ceiling tile grid for easy installation
- Low Loss RF-195 cable

Mobile Mark's CLTM101 Series Ceiling Mount antenna contains a single antenna element in one compact antenna housing. The antenna covers UHF applications from 420-470 MHz.

The CLTM101 antenna is designed for UHF In-Building systems using a single element. For systems that add in a WiFi modem, the CLTM502 (for WiFi MIMO modems) and the CLTM402 (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 fastens the antenna to the metal grid holding the ceiling tiles.

The CLTM101 has an attached 7/8" (22.2 mm) diameter base bolt with 3/4" (19 mm) lg thread for mounting up to 1/4" (6.4 mm) thick surfaces. The ASA radome is UV-stable, providing extra protection against harmful UV rays. The radome also gives ample protection against accidental or intentional damage caused by impact.

Model Configurator

CLTM101 - - - -

Cable/Connector 1

Color

Cable Length in Inches (eg. 12)

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Example: CLTM101-3Y-WHT-12 (for 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	RF-195	JA	RP SMA jack	WHT	White
		KA	RP TNC jack	BLK	Black
		V	SMA jack		
		W	TNC jack		
		Y	N jack		

Specifications			
Frequency:	420-470 MHz	Operating Temperature:	-40° to +80° C
Gain*:	Unity	Connector:	N jack (female) standard
VSWR*:	<2.5:1 VSWR over range	Mounting hardware:	Clamp to mount antenna to ceiling tile grid included
Impedance:	50 Ohm Nominal	Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Maximum Power:	60 Watts	*Gain and VSWR measured with 1 ft RF-195 cable on 1 ft ground plane	
Case:	5.50" Dia. x 2.38" High (140 mm x 60.4 mm)		
Radome Material:	ASA UV-Stable Plastic		