

# C-Band MIMO Indoor Ultra-Thin Antenna (SC-628CBM)

*Inside Ceiling-Mount Antenna*

## Overview

Designed to blend seamlessly into any environment, the SureCall C-Band Ultra-Thin Antenna is a low-profile ceiling-mount antenna for in-building cell phone signal boosters.

The omni-directional indoor MIMO antenna transmits and receives signal in a 360 degree pattern and is designed to cover 3G/4G/5G and WLAN systems for Cellular, PCS, AWS, LTE and C-Band frequencies.

- » N-Female connectors (50  $\Omega$ )
- » 3 / 4 / 5 / 6 dBi gain
- » C-Band: (617 - 4000 MHz)
- » Includes mounting hardware
- » Connects to booster with SC-400 cable (sold separately)



## Specifications

Frequency	617-698 / 698-960 / 1710-2700 / 3700-4000 MHz
Beamwidth	H:360° E:70° / H:360° E:70° / H:360° E:55° / H:360° E:45°
Max gain	3 / 4 / 5 / 6 dBi
VSWR	<2
Input impedance	50 $\Omega$
Polarization type	Vertical
Max power	50W
Radiation pattern	Omni-directional
Connector type	N-Female
Mount type	Ceiling
Height	2.11 in
Diameter	12.2 in
Weight	1.8 lbs
Cover material	PC+ABS
Operating temp.	-22°F to +140°F (-30°C to +60°C)
Operating humidity	5% - 95%

## Install Guidelines

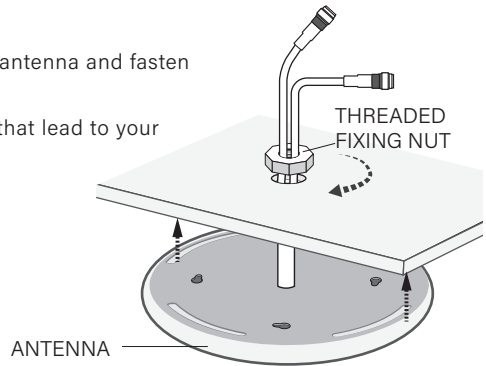
In addition to the antenna, mounting options are included for installations with or without a crawl space. Be sure to deploy the antenna in an area central to your desired indoor signal coverage where there are minimal obstacles. Ultimately, the in-building range of this antenna depends on three factors:"

1. Physical obstructions
2. Power generated by booster
3. Signal level received by the outdoor antenna

## Installation

If accessible by crawl space:

1. Drill a 20 mm diameter hole in the ceiling. The size should be large enough to allow the antenna's plastic cable base to pass through.
2. Place antenna cables through hole.
3. From crawl space, screw the fixing nut onto antenna and fasten around the threaded plastic cable base.
4. Connect female antenna connectors cables that lead to your booster location.



If not accessible by crawl space:

1. Drill a 20 mm diameter hole in the ceiling. The size should be large enough to allow the antenna's plastic cable base to pass through.
2. Use metal mounting plate to align, mark and drill 3 holes into ceiling surface and insert provided anchors.
3. Secure metal mountings plate to ceiling by inserting provided screws through mounting plate (with interlocking pegs facing down) and into ceiling anchors.
4. Push antenna to bracket surface allowing cable to pass through ceiling. Align keyhole mounts on the antenna with down-facing pegs and twist into place.
5. Connect female antenna connector with SC-400 cable that leads to your booster port marked INSIDE.

