

LT-CO-400-420-2.5

Omnidirectional Ceiling Mount Antenna

The Lamatel LT-CO-400-420-2.5 is a compact, high-efficiency ceiling mount antenna designed for indoor UHF communication systems operating in the 400–420 MHz frequency range.

This antenna delivers 2.5 dBi gain with 360° omnidirectional coverage, ensuring consistent signal distribution and reliable performance in confined indoor spaces such as offices, control centers, factories, and warehouses.

Its low VSWR (≤ 1.5) and durable construction guarantee excellent performance and long service life, while the discreet, ceiling-mount design provides a professional and unobtrusive installation solution.

Key Features

- Frequency Range: 400–420 MHz
- Gain: 2.5 dBi omnidirectional coverage
- VSWR: ≤ 1.5 for superior signal efficiency
- Compact Design: Lightweight and low-profile ceiling mount
- Power Handling: Supports up to 50 W
- Polarization: Vertical for clear communication
- Connector Type: N-Female
- Durability: All-weather ABS housing suitable for indoor environments

Ordering Information

The LT-CO-400-420 2.5 (400-420 MHz 2.5 dBi) belongs to the Omnidirectional Ceiling Mount.

Other available models in this series include:

LT-CO-340-360-2.5 (340-360 MHz 2.5 dBi)
LT-CO-380-400-2.5 (450-470 MHz 2.5 dBi)
LT-CO-400-420-2.5 (450-470 MHz 2.5 dBi)
LT-CO-410-430-2.5 (450-470 MHz 2.5 dBi)
LT-CO-430-450-2.5 (450-470 MHz 2.5 dBi)
LT-CO-450-470-2.5 (450-470 MHz 2.5 dBi)

Custom options are available upon request, including specific frequency ranges, connector types, and channel bandwidths.

Specifications

Parameter	Specification
Model	LT-CO-400-420-2.5
Frequency Range	400–420 MHz
Gain	2.5 dBi
Power Rating	50 W
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical
Beamwidth (V/H)	80° / 360°
Connector Type	N-Female
Antenna Size ($\varnothing \times H$)	$\varnothing 165 \times 94$ mm
Weight	0.3 kg
Mounting Type	Ceiling Mount
Bandwidth	16 MHz
Environment	Indoor
Material	UV-Resistant ABS Enclosure

Applications

- Public Safety and Emergency Networks
- Industrial Communication Systems
- Warehouses and Production Facilities
- Office and Commercial Buildings
- Transportation Hubs and Control Centers

