LT-WMA-450-470-5

Wall Mount Antenna | 450-470 MHz | 5 dBi

The LT-WMA-450-470-5 is a high-performance wall mount antenna designed for reliable communication in the 450-470 MHz frequency range. Engineered for both indoor and outdoor installations, it delivers a 5 dBi gain to enhance signal strength and extend coverage. Ideal for professional wireless communication systems, the antenna is commonly used in private networks, SCADA systems, and mission-critical infrastructure where dependable RF performance is essential. Its compact, durable design ensures long-term stability and ease of installation on walls or flat surfaces.

Key Features

- 450-470 MHz operating range
- 5 dBi high-gain performance
- Durable wall-mount design
- Weather-resistant build
- Omnidirectional coverage
- Low VSWR for efficient signal transmission
- Compact and easy to install

Key Highlights

- Supports critical communications and remote monitoring systems
- Ideal for fixed-site infrastructure and industrial use
- Designed for minimal maintenance and long service life
- Compatible with a wide range of RF connectors and cables
- Stable performance in harsh environmental conditions

Applications

- SCADA and telemetry systems
- Industrial automation and remote monitoring
- Private and public safety communication networks
- Fixed wireless infrastructure
- Utility and energy sector installations

Specifications

LT-WMA-450-470-5	
Frequency Range	450-470 MHz
Antenna Gain	5 dBi
Power Rating	50 W
Impedance	50 Ω
VSWR	≤ 2.0
Polarization	Vertical
Beamwidth	V:120° H: 85°
Termination	N Female
Dimensions	length : 240mm
	Width : 230mm
	Height : 50mm
Weight	0.35 Kg
Mounting	Wall Mount
F/B Ratio	≥15 dB

Installation Guide

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Instructions

1. Mark four(4) 8mm holes onto the desired wall location by following exactly the dimensions mentioned on the sketch above.
2. Drill the 4 holes by hitting exactly the center of drill hole to align the antenna position perfectly and insert the right dowels for the screws to be used.
3. When installing the antenna, refer to the sketch for the measurement on the spacing between each hole to ensure good antenna orientation.
4. Fix the antenna.