

LT-WMA Series

PRE-TUNED UHF WALL-MOUNT PANEL ANTENNAS

The LT-WMA Series are compact UHF wall-mount panel antennas available in pre-tuned sub-band models between 340–470 MHz. With 5 dBi gain, wide beamwidth, and rugged construction, they are optimized for indoor and outdoor applications where space-saving form factor and reliable directional coverage are required.

Key Features

- Frequency-specific UHF models (cannot be tuned across wide band)
- Gain: 5 dBi
- Wide beamwidth: 85° (H-plane) × 120° (V-plane)
- 50 W maximum input power
- VSWR ≤ 2.0 for efficient operation
- Front-to-Back ratio ≥ 15 dB for interference rejection
- Vertical polarization
- Rugged and lightweight design (0.35 kg)
- Supplied with wall-mounting hardware

Feature	LT-WMA Series
Frequency Range	Model-specific (see below)
Gain	5 dBi
Beamwidth (H × V)	85° × 120°
VSWR	≤ 2.0
Impedance	50 Ω
Max. Power	50 W
F/B Ratio	≥ 15 dB
Polarization	Vertical
Connector	N Female
Dimensions (L×W×H)	240 × 230 × 50 mm
Weight	0.35 kg
Mounting	Wall Mount (included)

Installation Notes:

- 1- Inspect package on receipt; report any damage or missing parts.
- 2- Mount antenna on pole of specified diameter (pole not included).
- 3- Align antenna for correct polarization with feed-line facing down.
- 4- Weatherproof all cable connections to maintain performance.



Applications

Indoor or outdoor UHF base station coverage
Wall-mounted deployment in control rooms, tunnels, or stations
Public safety and emergency communication networks
Utility and transport communication systems
Industrial communication and telemetry

Ordering Information

The Lamatel LT-WMA Series Panel Mount antennas are available in UHF:

Available Models:

LT-WMA-340-360-5 (340–360 MHz)
LT-WMA-380-400-5 (380–400 MHz)
LT-WMA-400-420-5 (400–420 MHz)
LT-WMA-410-430-5 (410–430 MHz)
LT-WMA-430-450-5 (430–450 MHz)
LT-WMA-450-470-5 (450–470 MHz)

Note: UHF models are factory pre-tuned for narrow sub-bands and cannot be adjusted across a wide frequency range.

