

LT-ANT372-400D-8

UHF HIGH-GAIN BASE STATION ANTENNA

The Lamatel LT-ANT372-400D-8 is a premium UHF omni-directional base antenna designed for high-performance and reliability in TETRA and UHF communication systems. Operating across the 372–400 MHz frequency range, it is optimized to deliver consistent coverage, low interference, and long-range signal stability in both critical and commercial network environments.

Built with a reinforced fiberglass radome, the LT-ANT372-400D-8 ensures exceptional durability and resilience in harsh outdoor conditions, including strong winds, ice loading, and UV exposure. Its combination of superior gain, broad coverage, and low passive intermodulation (PIM) makes it an excellent choice for base stations, industrial networks, and multipoint communication systems that require dependable, interference-free operation.

Key Features

- **Wideband Frequency Range:** Operates efficiently within 372–400 MHz, ideal for UHF and TETRA applications.
- **High Gain Performance:** Provides a strong 8 dBi gain, extending signal reach while maintaining stability and clarity.
- **Omnidirectional Coverage:** 360° horizontal radiation pattern ensures uniform signal distribution across all directions.
- **All-Weather Reliability:** Fully enclosed in a fiberglass radome to resist corrosion, UV rays, humidity, and extreme temperatures.

Parameter	Specification
Model	LT-ANT372-400D-8
Frequency Range	372–400 MHz
Antenna Gain	8 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.5
Radiation Pattern	Omnidirectional
Vertical Beamwidth	35°
Termination	N-Female
Dimensions (L x Base $\varnothing$)	126.18" x 2.76" (approx. 3200 mm x 70 mm)
Installed Weight (Antenna + Clamps)	18.5 kg
Fiberglass Color	Blue
Wind Rating (0.5" Ice)	37.4 kgF
Maximum Exposed Area	2.02 ft ²
Lateral Thrust @100 mph	8.4 kgf



Applications

Tetra base station and repeater networks
Public safety and emergency communications
Aviation, marine, and transportation networks
Critical infrastructure coverage
Wide-area urban and rural deployments

Ordering Information

The LT-ANT372-400D-8 belongs to the UHF High Power Antenna Series (8 dBi, 500W, slim 3 m radome).

Other available models in this series :

LT-ANT340-360-DM9 (340-360MHz)
LT-ANT372-400D-8 (372-400 MHz)
LT-ANT300-320DM-9 (300-320 MHz)
LT-ANT350-375DM-8 (350-375MHz)
LT-ANT372-400D-8 (372-400 MHz)

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

