

LT-ANTP-902-928-N180H15

Single-Band Panel Antenna | 902-928 MHz | 15 dBi

The Lamatel LT-ANTP-902-928-N180H15 is a high-performance directional panel antenna engineered for IoT, LPWAN, and long-range data communication systems operating in the 902–928 MHz ISM band.

Delivering a strong 15 dBi gain with 120° horizontal and 7.5° vertical beamwidth, it provides excellent directional coverage and long-distance signal propagation. The antenna's robust UPVC housing, DC grounding, and low VSWR ensure stable performance, even in harsh outdoor environments.

This model is ideal for LoRaWAN, Sigfox, and industrial IoT networks, offering reliable connectivity, wide coverage, and durable design suitable for both urban and rural applications.

Key Features

- Frequency Range: 902–928 MHz
- Gain: 15 dBi high-gain directional coverage
- Beamwidth: 120° (H) / 7.5° (V)
- Polarization: Vertical
- VSWR: ≤ 1.5 for high transmission efficiency
- Power Handling: Up to 500 W
- Connector: N-Female
- Lightning Protection: DC Grounded for system safety
- Construction: Weatherproof UPVC radome with aluminum frame
- Mounting: Compatible with LT-C/ANT-900R bracket (sold separately)
- Operating Temperature: -40°C to +60°C

Applications:

- IoT and LPWAN Systems (LoRaWAN, Sigfox)
- Smart Agriculture and Industrial Automation
- Smart City Infrastructure
- Wireless Data and Telemetry Networks
- Long-Range Base Stations and Repeaters



Specification

Parameter	Specification
Model	LT-ANTP-902-928-N180H15
Frequency Range	902–928 MHz
Antenna Gain	15 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical
Beamwidth (H/V)	120° / 7.5°
Front-to-Back Ratio	≥ 18 dB
Connector Type	N-Female
Dimensions (H $\times$ W $\times$ D)	2530 $\times$ 270 $\times$ 137 mm
Weight (w/ Clamps)	20 kg
Radome Material	UPVC
Lightning Protection	DC Grounded
Operating Temperature	-40°C to +60°C
Mounting Bracket	LT-C/ANT-900R (optional)

