

LT-ANTP-902-928-180H15

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

The Lamatel LT-ANTP-902-928-180H15 Single-Band Panel Antenna is a high-performance antenna specifically designed for applications operating within the 902-928 MHz frequency range. With a robust 15 dBi gain, this antenna provides superior signal strength and directional coverage, making it ideal for long-range communication needs. Its sleek, compact design and weatherproof construction ensure reliable performance even in harsh environmental conditions, making it a versatile choice for both indoor and outdoor installations.

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 Networks:** Perfect for LPWAN technologies like LoRaWAN, Sigfox, and other IoT applications operating in the 902-928 MHz range.
- **Smart Agriculture:** Used in remote monitoring of agricultural systems for data transmission over large distances.
- **Smart Cities:** Effective in smart city infrastructure, providing connectivity for sensors and devices in public services.
- **Industrial Automation:** Ideal for industrial IoT (IIoT) deployments, such as remote monitoring of machinery, equipment, and systems.



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)

