

# LT-ANTP-902-928-180H13

## Single-Band Panel Antenna | 902-928 MHz | 13 dBi

The Lamatel LT-ANTP-902-928-180H13 is a high-gain directional panel antenna designed for wireless data transmission and IoT communication systems operating within the 902–928 MHz ISM band.

Providing a 13 dBi directional gain and a wide 180° horizontal beamwidth, this antenna ensures strong, reliable signal performance for LPWAN, LoRa, Sigfox, and industrial IoT networks. Its low VSWR ( $\leq 1.5$ ) ensures minimal signal loss, while the IP65-rated enclosure provides dependable operation in outdoor environments.

Compact and lightweight, the LT-ANTP-902-928-180H13 is the ideal solution for smart infrastructure, telemetry, and long-range data systems, combining superior performance with long-term durability.

### Key Features

- Frequency Range: 902–928 MHz
- Gain: 13 dBi directional performance
- Beamwidth: 180° (H) / 15° (V)
- VSWR:  $\leq 1.5$  for efficient signal transfer
- Polarization: Horizontal
- Power Handling: Up to 100 W
- Connector Type: N-Female
- Construction: Rugged, IP65-rated weatherproof housing
- Design: Lightweight, compact, and easy to install

### Key Highlights

- 13 dBi directional gain for long-range, stable communication
- 180° horizontal beamwidth ideal for sector coverage
- Optimized for LoRa, Sigfox, and LPWAN applications
- High power handling (up to 100W) with low VSWR  $\leq 1.5$
- Rugged, IP65-rated enclosure for all-weather outdoor use
- Compact, lightweight, and easy to install with included mounting kit

### Applications

- LoRa/LPWAN in smart agriculture and IoT
- SCADA and telemetry in utilities and industrial systems
- Smart metering and grid monitoring
- RFID and asset tracking in logistics
- Remote surveillance and security systems
- Public safety and emergency communication
- Environmental monitoring stations



### Specification

| Parameter              | Specification               |
|------------------------|-----------------------------|
| Model                  | LT-ANTP-902-928-180H13      |
| Frequency Range        | 902–928 MHz                 |
| Gain                   | 13 dBi                      |
| Beamwidth (H/V)        | 180° / 15°                  |
| Polarization           | Horizontal                  |
| Impedance              | 50 $\Omega$                 |
| VSWR                   | $\leq 1.5$                  |
| Power Rating           | 100 W                       |
| Connector              | N-Female                    |
| Dimensions (H × W × D) | 2200 × 280 × 180 mm         |
| Weight (with Clamps)   | 10 kg                       |
| Radome Material        | UV-Protected Plastic        |
| Color                  | White                       |
| Ingress Protection     | IP65                        |
| Mounting Type          | Pole Mount (Clamp Included) |

