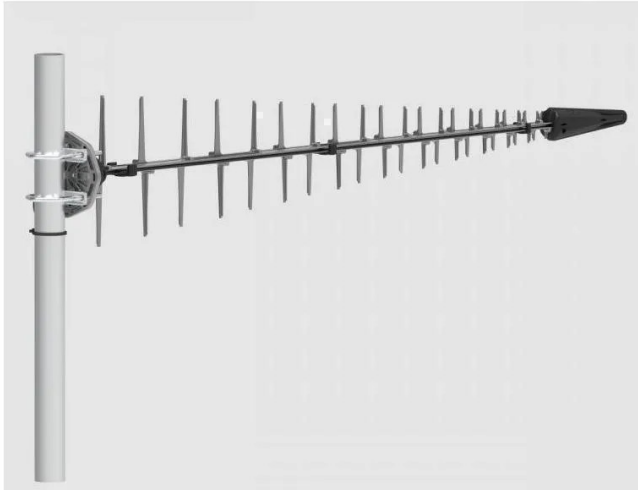


Item no.: 362323

## **A-LPDA-0500-V1-01 - Ultra-Wideband 5G/LTE & Wi-Fi Dipole Array Antenna; 617 - 7200 MHz, N-type-f**

**from 186,60 EUR**

Item no.: 362323  
shipping weight: 0.10 kg  
Manufacturer: Poynting



### Product Description

The LPDA-500 is the new and improved log-periodic dipole antenna (LPDA) from Poynting. The LPDA-500 is a high gain unidirectional ultra-wideband antenna operating from 617 to 7200 MHz. The ultra-wideband coverage includes current 5G and future cellular bands, as well as Wi-Fi and Wi-Fi 6E bands. The LPDA-500 has consistently high gain performance across the entire operating band, making the antenna suitable for use with a variety of wireless communication systems. Our previous LPDA was successfully deployed in extreme weather environments around the world. The new LPDA-500 is no different.

The LPDA-500 comes standard with a new and improved mounting bracket that can be rotated in 45° increments. This allows for easy installation and the customer can mount multiple LPDA-500 antennas and align them in a MIMO configuration, i.e. vertical and horizontal or  $\pm 45^\circ$ . Poynting Antennas is known for developing future-proof antennas, and the new LPDA-500 is no different.

Highlights:

- Future-proof ultra-wideband antenna from 617 - 7200 MHz
- Exceptionally high gain performance over the entire frequency range
- Compatible with 2G, 3G, 4G and future 5G technologies
- Enhances the user experience of mobile network subscribers
- Rugged design for weather and vandal protection (IP65)
- Can be used in all extreme weather conditions

Application areas:

- Outdoor fixed wireless access (FWA) antenna
- LTE/5G consumer internet connectivity
- Industrial and commercial LTE/5G and Wi-Fi installations
- Improving reception for urban and rural homes
- LTE/5G and Wi-Fi data distribution for agriculture and livestock
- Communication systems for oil and gas
- Repeaters and amplifiers to improve coverage

Electrical specifications:

- Frequency ranges: 617 - 960 MHz 1427 - 1517 MHz
- 1710 - 2700 MHz 3400 - 4200 MHz
- 5000 - 6000 MHz
- 6000 - 7200 MHz
- Gain (Max): 10.5 dBi @ 617 - 960 MHz
- 10 dBi @ 1427 - 1517 MHz
- 11 dBi @ 1710 - 2700 MHz
- 11.5 dBi @ 3400 - 4200 MHz
- 10 dBi @ 5000 - 6000 MHz
- 9 dBi @ 6000 - 7200 MHz
- VSWR: <2:1
- Power handling capacity of the feed: 10 W
- Input impedance: 50 Ohm (nominal)
- Polarisation: Linear Vertical
- DC short circuit: Yes

#### Mechanical specifications:

- Product dimensions: 1385 mm x 250 mm x 145 mm
- Enclosure dimensions: 1430 mm x 280 mm x 160 mm
- Weight: 1.52 kg
- Packed weight: 3.34 kg
- Material of frame: Passivated ADC 12
- Colour of frame: Aluminium grey
- Mounting type: Pole mounting

#### Environmental specifications:

- Wind resistance: ?160 km/h
- Temperature range (operating): -40°C to +80°C
- Environmental conditions: Outdoor/indoor
- Protection type/standard for water ingress: IP 65
- Salt spray: MIL-STD 810G/ASTM B117
- Relative humidity during operation: Up to 98%
- Storage humidity: 5% to 95% - non-condensing
- Storage temperature: -40°C to +80°C
- Flammability rating of enclosure: UL 94-HB
- Impact resistance: IK 08

## Specifications

**Scan this QR code to  
view the product**  
All details, up-to-date  
prices and availability

