

Wireless High-Power Antenna

5.4 – 5.9 GHz

Product Code: OMNI-A0129

VERSION: 1.5



SPECIFICATIONS:

| Electrical: | |
|---------------------------------------------------------------------|---------------------------|
| Frequency range | 5400 – 5900 MHz |
| VSWR | < 2.5:1 |
| Nominal input impedance | 50 Ω |
| Connector | N-type female |
| Feed power handling | 50 W |
| Gain | 6 dBi ± 1 dB |
| E-plane 3 dB beamwidth | 30° |
| H-plane 3 dB beamwidth | 360° |
| Polarisation | Vertical |
| Mechanical: | |
| Dimensions (l x d) | 370 mm x 135 mm |
| Weight | 700 g |
| Mounting method | NATO flange 4 and 6 holes |
| Environmental: designed to meet the following specifications | |
| Wind survival | 160 km/h |
| Temperature (operational) | - 30 °C to +70 °C |
| Water ingress rating | IP 65 (NEMA 4X) |
| RoHS | Compliant |

PRODUCT FEATURES:

- 50 W continuous power handling
- Gain of 6 dBi
- Self-contained balanced antenna, no groundplane required
- Spring-mounted whip
- Omni-directional H-plane (azimuth) pattern
- RoHS compliant

APPLICATIONS:

- RCIED signal suppression
- VIP protection
- Convoy protection

PRODUCT DESCRIPTION:

The OMNI-A0129 is a wireless LAN antenna that has been designed to be used in high-powered transmit applications to suppress signals in applications like convoy protection and for RCIED. The design of this antenna allows it to bend up to 70°.

The OMNI-A0129 has an omni-directional azimuth pattern with a low level of ripple to ensure all-round protection and an elevation pattern that shows no pattern break-up. This antenna is rated for 50 W indefinite continuous duty power handling.