

Wireless High-Power Antenna

5.4 – 5.9 GHz

Product Code: OMNI-A0129

VERSION: 1.4



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

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.

APPLICATIONS:

- RCIED signal suppression
- VIP protection
- Convoy protection