



# 18dBi Directional Panel Outdoor Antenna



WAN-2181

H/W Version: 1

## Product Overview

The LevelOne WAN-2181 Directional Panel Outdoor Antenna provides outdoor WiFi spots, hotspots and RFID reception areas with extended wireless network access to 802.11b/g/n wireless local area networks.

## Connect to LevelOne Access Points and Routers

The WAN-2181 easily connects to LevelOne wireless routers and access points to provide extended wireless network coverage to outdoor areas. The directional

design of the WAN-2181 offers increased wireless signal coverage in a specific direction, allowing for improved data throughput over extended areas.

## High-Quality Outdoor Antenna

The WAN-2181 Outdoor Antenna is made of non-corrosion materials and is weatherproof making it suitable for all weather conditions. It can withstand wind gusts of up to 180km/h and provides lightning protection.



N-jack female Connector

\*\* Antenna cable and arrestor are not included

## Key Features

- For IEEE 802.11b/g/n Wireless applications in 2.4G ~ 2.5GHz ISM Band
- 18dBi Directional and Multi-point operation
- Lightweight and all-weather operation
- Outdoor antenna for public hot-spots, WiFi and RFID applications
- DC Short and lightning protection
- Includes tilt and swivel mast mount brackets

## Works Well With



**WAB-3002**  
11g Outdoor PoE Wireless Access Point



**WAB-7400**  
11a/b/g Dual Radio Outdoor Mesh PoE Wireless Access Point

## Technical Specification

Electrical Specification
<b>Frequency Band</b> 2.4GHz-2.5GHz (2.4GHz ~2.5GHz)
<b>Gain</b> 18dBi
<b>VSWR</b> ≤1.5
<b>Polarization</b> Vertical
<b>Vertical Beam width</b> 17°
<b>Horizontal Beam width</b> 17°
<b>Impedance</b> 50Ω
<b>Connector</b> Fixed N Female
<b>Admitted Power</b> 30W
<b>Antenna Type</b> PCB Patch array

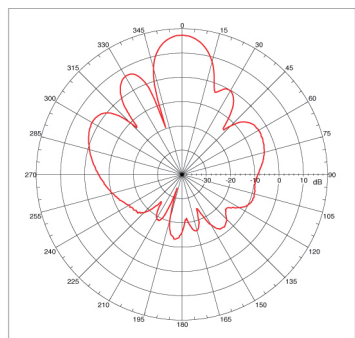
Environmental & Mechanical Characteristics
<b>Survival Wind Speed</b> 180km/hr (120mph) wind gusts
<b>Operating Temperature</b> -20°C ~ +80°C
<b>Antenna Size</b> 365mm x 365mm x20mm
<b>Weight</b> 800g
<b>Random Material</b> ABS Grey
<b>Clamps</b> U-Bolt
<b>Mounting Pipe</b> 32mm-45mm

## Product Diagram

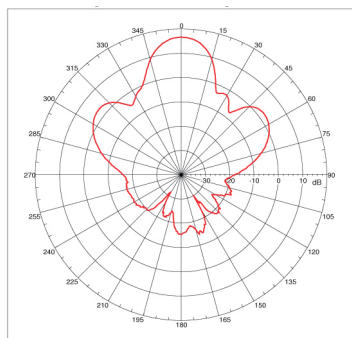


WAN-2181 works with WAB-7000 for Point-to-Point wireless bridging applications

## Radiation Pattern



E-Plane Co-polarization Pattern



H-Plane Co-polarization Pattern

## Order Information

**WAN-2181:** 18dBi Directional Panel Outdoor Antenna

## Package Contents

WAN-2181, L Type Mounting Kits

## Optional Accessories



**ANC-4230**  
400 Series N plug to N  
plug Cable 3m



**ANC-2210**  
200 Series N plug to N  
plug Cable 1m



**ANC-2310**  
200 Series N plug to  
RPSMA plug Cable 1m



**ANA-6100**  
6GHz Outdoor  
Arrester



**ANA-3100**  
3GHz Outdoor Arrester



**ANC-2330**  
200 Series N plug to  
RPSMA plug Cable 3m

All mentioned brand names are registered trademarks and property of their owners. Technical specifications are subject to change without notice.

© Copyright Digital Data Communications GmbH. All Rights Reserved.