



# 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, 802.11g and draft 802.11n 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

## Key Features

- For IEEE 802.11b/g/draft-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                                | Environmental & Mechanical Characteristics                 |
|---|--|
| <b>Frequency Band</b><br>2.4GHz-2.5GHz (2.4GHz ~2.5GHz) | <b>Survival Wind Speed</b><br>180km/hr (120mph) wind gusts |
| <b>Gain</b><br>18dBi                                    | <b>Operating Temperature</b><br>-20°C ~ +80°C              |
| <b>VSWR</b><br>≤1.5                                     | <b>Antenna Size</b><br>365mm x 365mm x20mm                 |
| <b>Polarization</b><br>Vertical                         | <b>Weight</b><br>800g                                      |
| <b>Vertical Beam width</b><br>17°C                      | <b>Random Material</b><br>ABS Grey                         |
| <b>Horizontal Beam width</b><br>17°C                    | <b>Clamps</b><br>U-Bolt                                    |
| <b>Impedance</b><br>50Ω                                 | <b>Mounting Pipe</b><br>32mm-45mm                          |
| <b>Connector</b><br>Fixed N Female                      |  |
| <b>Admitted Power</b><br>30W                            |  |
| <b>Antenna Type</b><br>PCB Patch array                  |  |

## Product Diagram



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

**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

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