



# 15dBi Omni-Directional Outdoor Antenna

OAN-2151

H/W Version: 1

## Product Overview

The LevelOne OAN-2151 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 OAN-2151 easily connects to LevelOne wireless routers and access points to provide

extended wireless network coverage to outdoor areas. The ships with a fixed N-female connector that connects through a reverse SMA connector to supported LevelOne wireless routers and APs.

## High-Quality Outdoor Antenna

The OAN-2151 Outdoor Antenna is made of fiberglass and is suitable for all weather conditions. It can withstand wind gusts of up to 210km/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
- 15dBi Omni-Directional provides for extended wireless network coverage
- Lightweight and all-weather operation
- Outdoor antenna for public hot-spots, WiFi and RFID applications
- Includes a U-Bolt mounting bracket

## Works Well With



### WAB-7000

11a/b/g Outdoor PoE Wireless Access Point



### WAB-3002

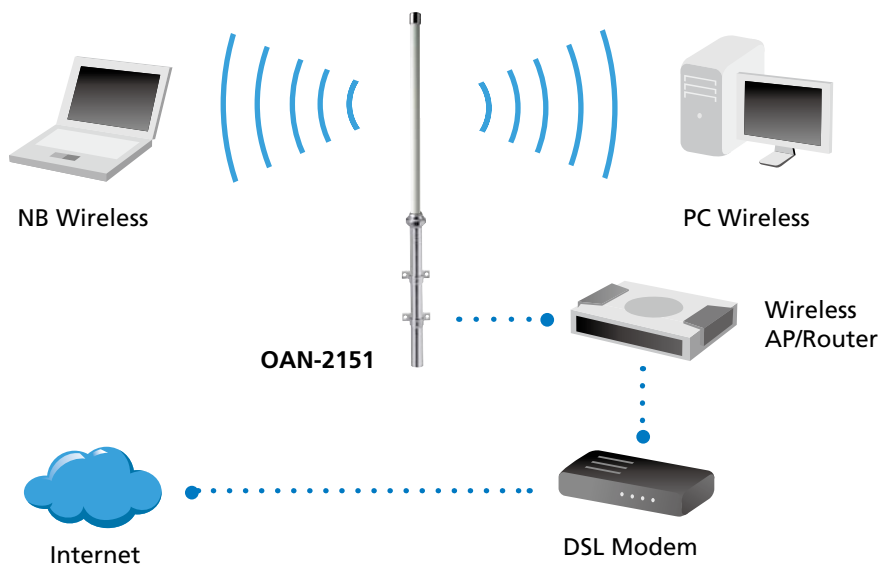
11g Outdoor PoE Wireless Access Point

## Technical Specification

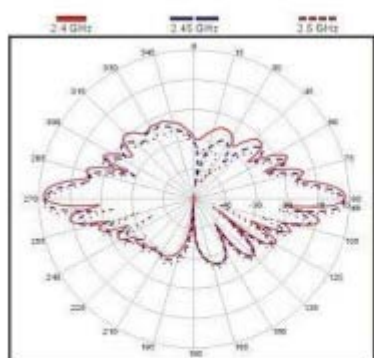
Electrical Specification	
<b>Frequency Band</b>	2.4GHz-2.5GHz
<b>Gain</b>	15dBi
<b>VSWR</b>	≤1.5
<b>Polarization</b>	Vertical
<b>Horizontal Beam width</b>	360°
<b>Vertical Beam width</b>	9°
<b>Impedance</b>	50Ω
<b>Connector</b>	Fixed N Female
<b>Admitted Power</b>	50W

Antenna Type	
Collinear Environmental & Mechanical Characteristic	
Environmental & Mechanical Characteristic	
<b>Survival Wind Speed</b>	216km/hr
<b>Operating Temperature</b>	-40°C ~ + 80°C
<b>Antenna Length</b>	1860mm
<b>Antenna Diameter</b>	51mm
<b>Weight</b>	1.8kg
<b>Random Material</b>	White Fiberglass
	Clamps
	U-Bolt

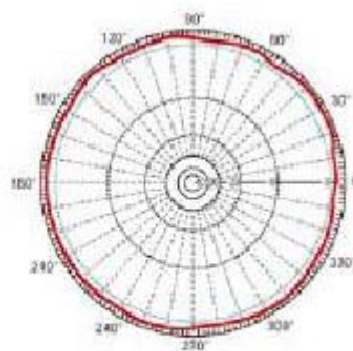
## Product Diagram



## Radiation Pattern



E-Plane Co-polarization  
3-dB Beam width = 9°



H-Plane Co-polarization  
3-dB Beam width = 360°

**Order Information**    **OAN-2151:** 15dBi Omni-Directional Outdoor Antenna  
**Package Contents**    OAN-2151, Mast 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  
Arrestor



**ANA-3100**  
3GHz Outdoor  
Arrestor



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