



# 2.4GHz 15dBi Omni-directional Outdoor Antenna

OAN-2151

H/W Version: 1.1

### 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/g/n 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

\*\* Antenna cable and arrestor are not included

### Key Features

- For IEEE 802.11b/g/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-6120**  
150Mbps Wireless Outdoor PoE Access Point



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

## Technical Specification

### Electrical Specification

**Frequency Band**

2.4GHz-2.5GHz

**Gain**

15dBi

**VSWR**

≤1.5

**Polarization**

Vertical

**Horizontal Beam width**

360°

**Vertical Beam width**

9°

**Impedance**

50Ω

**Connector**

Fixed N Female

**Admitted Power**

50W

**Antenna Type**

Collinear Environmental & Mechanical Characteristic

**Environmental & Mechanical Characteristic**

**Survival Wind Speed**

216km/hr

**Operating Temperature**

-40°C ~ + 80°C

**Antenna Length**

1860mm

**Antenna Diameter**

51mm

**Weight**

1.8kg

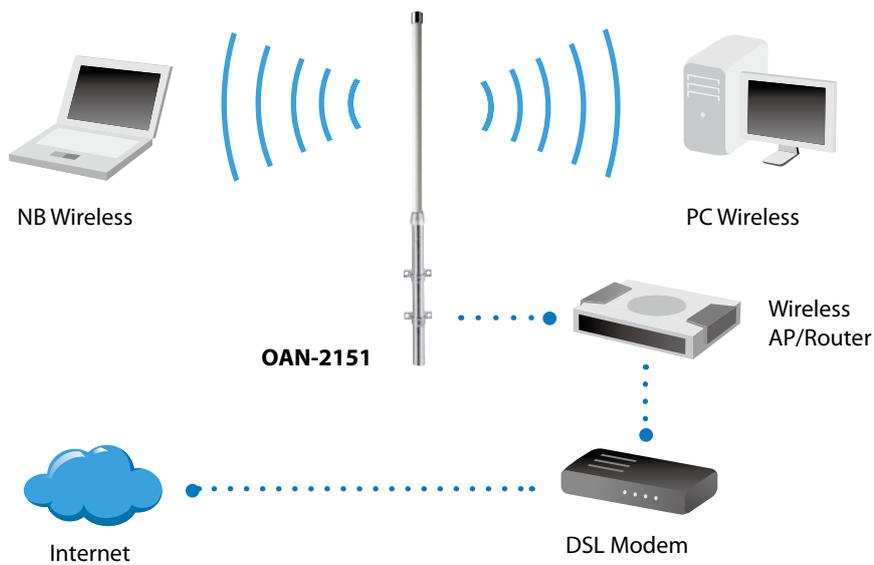
**Random Material**

White Fiberglass

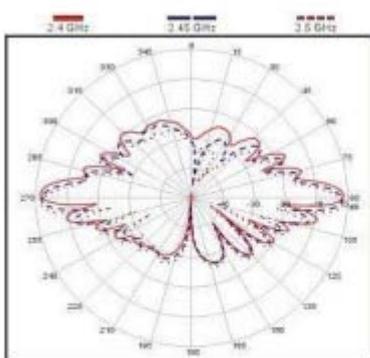
Clamps

U-Bolt

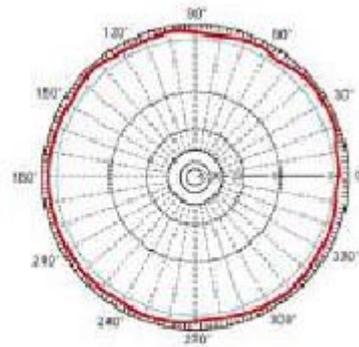
## Product Diagram



## Radiation Pattern



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



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

## Order Information

**OAN-2151:** 2.4GHz 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

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