

11a(5.500~5.825Ghz) 10dBi Omni-Directional Antenna

LevelOne's OAN-4100 10dBi omni-directional outdoor antenna kit is an ideal solution to increase wireless signal coverage and improve signal strength/quality for existing 802.11a wireless devices in the range between 5.5GHz to 5.825GHz frequency bands.

This antenna is especially designed for outdoor applications such as the WAB-2000A outdoor access point. The surge protector prevents the wireless devices from being damaged by the lightning-induced surges or static electricity. The waterproof surface keeps the antenna workable in any rogue environment. In order to increase installation flexibility there is no power-source required.

This antenna kit comes with antenna, one 3m UL-168 extension cable, surge protector and metal bracket. With those accessories, the antenna can be easily fastened on a wall or installed on a pole. OAN-4100 has been tested for interoperating with LevelOne's wireless access point, WAB-2000A mesh outdoor AP/Bridge. This unit can also work with other wireless devices, which comply with IEEE802.11a standard and are equipped with an N male connector.



OAN-4100

Related Products



WAB-2000A

108Mbps Wireless Mesh
Outdoor AP/Bridge



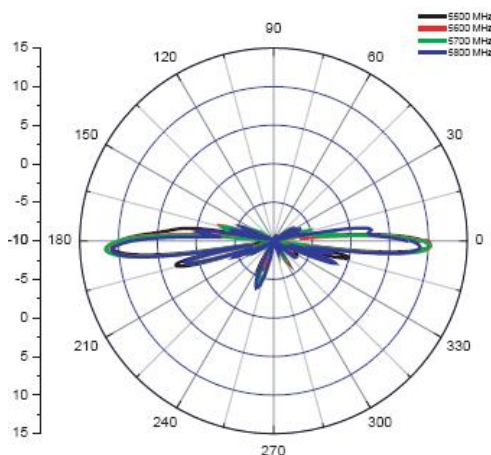
WBA-4000

11a Wireless Bridge

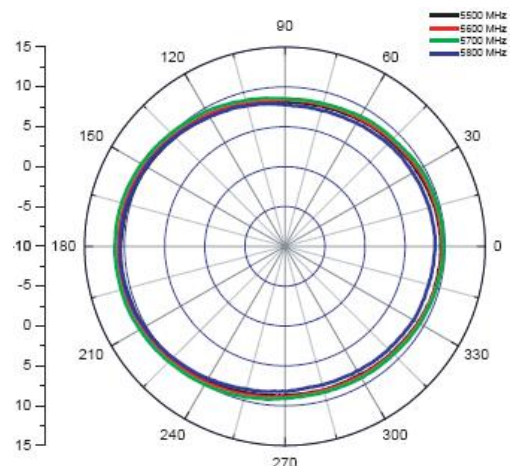
Key Features

- For IEEE 802.11a applications at the range between 5.5GHz to 5.825GHz frequency band
- Surge protector to prevents the lightning-induced surges or static electricity
- Easy to install
- Omni-directional operation provides extended point to multi-point coverage
- Includes UL-168 3m cable for wireless device with N-Type connector

Radiation Patterns



V-Plane Co-polarization Pattern

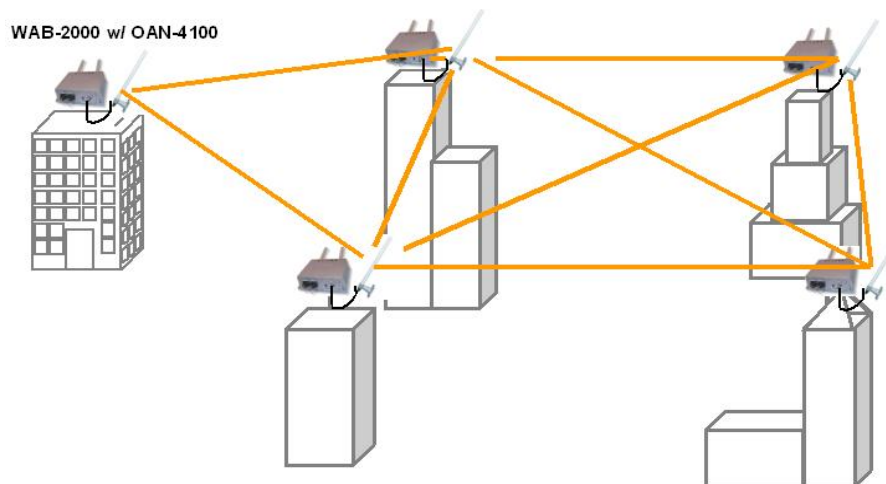


H-Plane Co-polarization Pattern

Technical Specification

Electrical Specification	
Frequency Band	5500MHz – 5825MHz
Gain	10dBi
VSWR	2.0:1 Max
Polarization	Linear, Vertical
HPBW / V	7°
HPBW / H	360°
Downtilt	2°
Power Handling	5W
Impedance	50 Ohms
Connector	N female
Environmental & Mechanical Characteristics	
Survival wind speed	216km/ hr
Temperature	-40°C - +80°C
Humidity	95% @ 25°C
Radome Color	Gray-white
Radome Material	Fiber Glass, UV resistant
Weight	265 g
Dimension	80mm x 780mm x 511mm

Product Diagram



OAN-4100 works with WAB-2000A for Mesh Network or Point-to-Multipoint bridging applications

Ordering Information

- OAN-4100: 10dBi Omni-Directional Outdoor Antenna
 - 3m UL168 cable; RSMA (female) to RSMA (male)
 - Surge Protector

For more information, please contact your LevelOne representative, or visit www.level1.com
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