



2.4GHz 10.5dBi Directional Dual-Polarization Patch Antenna Kit

WAN-7100



H/W Version: 1

The LevelOne WAN-7100 10.5dBi directional dual polarization antenna kit is designed for indoor / outdoor wireless connections. With array pattern located at $+45^\circ$ and -45° polarization, you can improve signal strength in crowded areas where lot of interferences occur.

This antenna kit comes with antenna, 3m UL-168 jump cables and has been tested for interoperating with LevelOne 2T2R MIMO access points. It provides Indoor/Outdoor building-to-building bridges and can be used with other wireless products, which are equipped with reverse SMA male connector and detachable antennas.



1. SMA jack Connector

Key Features

- Wi-Fi IEEE 11b/g/n band 2.4GHz global compatibility
- 2T2R MIMO high-throughput and diversity with 10.5dBi high-gain performance
- Dual-Polarization to avoid interference
- Easy to install on the wall surface
- Wideband frequency performance enables future growth and increases flexibility
- Includes UL-168 3m cables for wireless device with SMA connectors

Works Well With



WAP-6011
300Mbps *N_Max* Wireless Access Point



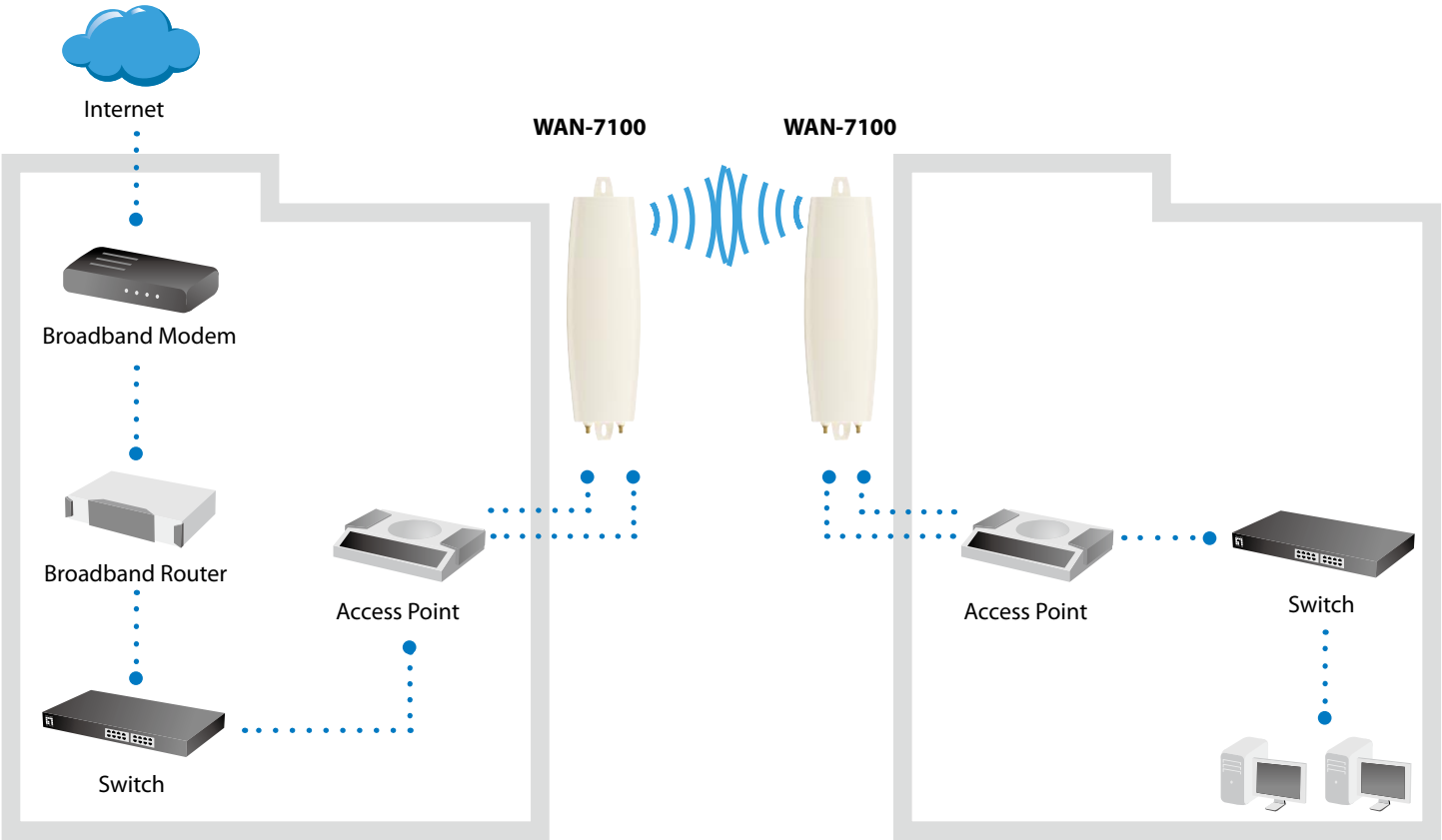
WAP-6012
300Mbps *N_Max* Wireless Gigabit PoE Access Point

Technical Specification

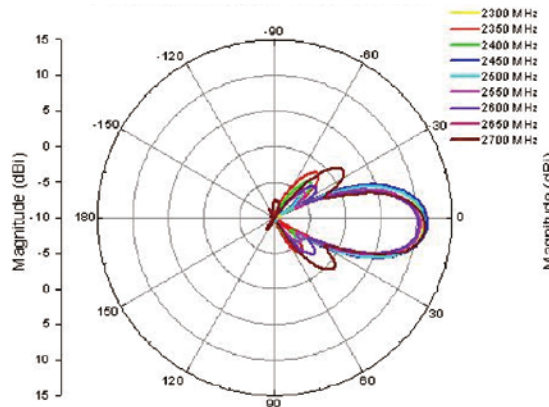
Electrical Specification
Frequency range
2.3~2.7GHz
Gain
10.5dBi
VSWR
2.0:1 (Max.)
Polarization
Linear, ±45°
Horizontal HPBW
63° ~ 67°
Vertical HPBW
22° ~ 37°
Sidelobes level
-8dB
Isolation
20dB
Input impedance
50 Ohm
Cable
3m Jump Cable x 2 (SMA plug to RPSMA plug)
Connector
SMA jack x 2
Power handling
10W (cw)
Lightening protection
N/A

Environmental & Mechanical Characteristics
Survival wind speed
N/A
Temperature
-10°C ~ +55°C
Humidity
95% @ +55°C
Housing color
White
Weight
200g
Dimensions (L x W x H)
330 x 93 x 21.4mm
Waterproof
N/A
Mount kit
Wall mount & Window Mount

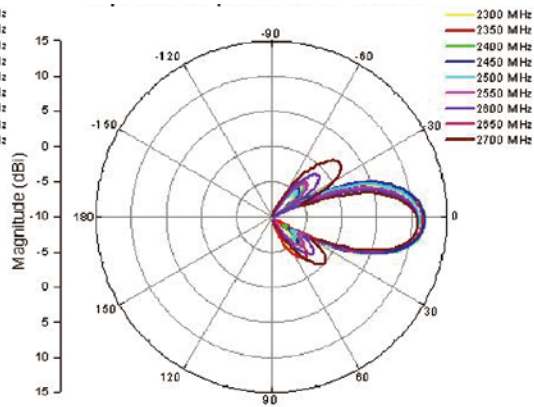
Product Diagram



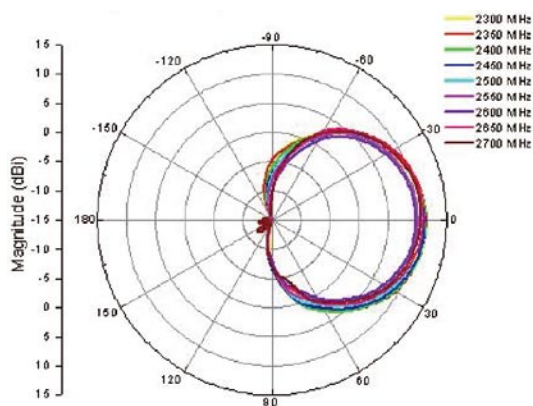
Radiation Pattern



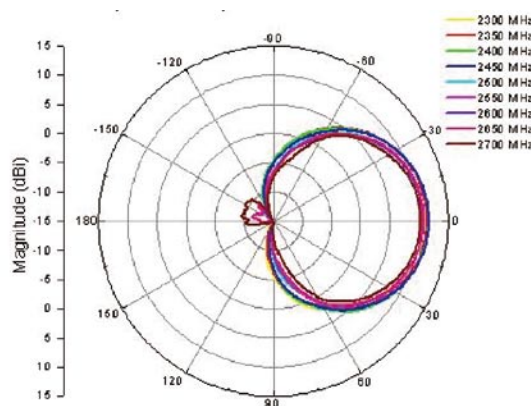
V-Plane Co-polarization Pattern



V-Plane Co-polarization Pattern



H-Plane Co-polarization Pattern



H-Plane Co-polarization Pattern

Order Information

Package Contents

WAN-7100: 2.4GHz 10.5dBi Directional Dual-Polarization Patch Antenna Kit

WAN-7100

QIG x 1

3m Jump Cable x 2 (SMA plug to RPSMA plug)

Standard mounting kit