

# 12dBi Outdoor Omni-Directional Antenna (WLN0912-NC)

The SOHware 12dBi Omni-Directional Antenna is particularly well suited for outdoor hotspot or wireless ISP broadcasting where a wide radius of RF coverage is desired. The ultra-high gain RF pattern is 360 degrees in a flat downward horizontal disk; ideal for point to multi-point applications. The antenna is best placed above the area to be covered, such as attached to a transmission tower or above a central building.

The antenna is fully weatherized for outdoor installations and includes an N type connector for attachment to a low loss RF cable (available from SOHware).

Complete mounting hardware is provided for attachment to a mast. An optional lightning arrestor is available from SOHware, which is low insertion loss and insures network protection from high voltage surges.



## *Features and Benefits*

**2.4GHz Frequency for 802.11b and 802.11g Transmissions** - Ideal for outdoor Wi-Fi networks created by Access Points or Bridges in a point to multi-point network.

**No Frequency Tuning Required** - 2400-2500MHz range simplifies installation and maintenance of the transmission source for more reliable connections.

**Excellent Transmission Pattern for Flat Terrain** - Provides a 360 degree horizontal pattern with a 3 degree downtilt to concentrate the pattern below the antenna.

**Heavy Duty Outdoor Weatherable Design** - Single piece fiberglass construction with industrial mounting hardware is designed to withstand high winds and protect the RF connection from weather conditions.

**Ultra-High Gain** - The 12dBi output gain, when combined with an RF booster assisted commercial grade AP or Bridge (available from SOHware), allows greater range reception potentially up to several miles.

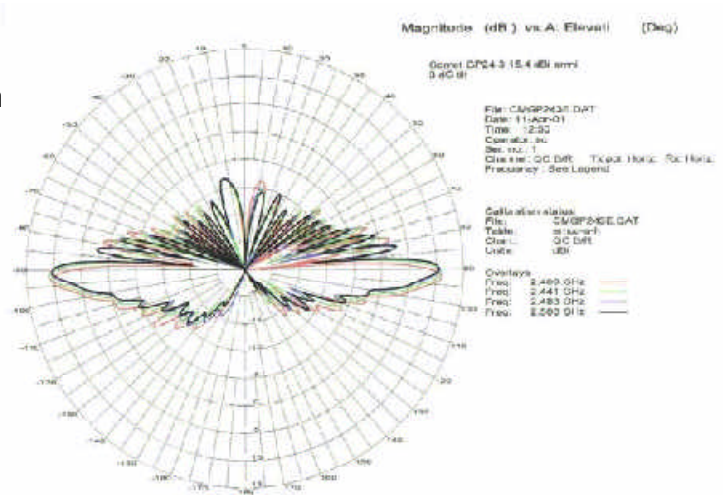
**Related Products** - Below are complimentary products from SOHware that are designed for the WLN0912-NC Omni-Directional Antenna:

- Access Points - WLA660, WLA921
- Bridges - WLB610, WLB621
- Arrestor - WLN0003-HL
- Cable (LMR400) - WLN0410 / 0411 / 0420 / 0421

# Transmission Pattern

The WLN0912-NC Omni-Directional Antenna provides a 360 degree radiation pattern with a flattened horizontal disk in a 3 degree downtilt.

Position the antenna above the receiving stations, as on a mounting pole or transmission tower.



# Specifications

## Electrical:

Frequency Range	2400 - 2500 MHz
Gain	12dBi
VSWR	1.3:1 Max.
Maximum Power	100 Watts
Impedance	50 Ohms
HPBW	Horizontal: 360° Vertical: 5° (beam width at -3dB) <b>3° downtilt</b>
RF Cable Connector	N (female), integral
Recommended RF Cable	LMR-400 type, maximum length 20 ft.

## Mechanical:

Radome	Fiberglass, one piece white UV stablized
Mounting Hardware	Included (stainless steel and extruded aluminum)
Wind Survival Speed	135 MPH
Mast Requirement	1.25 - 2.5 inch diameter
Operating Environment	Temperature: -40° - 80° C Humidity: 0-100% @ 25° C
Dimensions	Length: 5 ft, 10 inches Weight: 2 lbs, 9oz.

**Model** **WLN0912-NC**

**Warranty** 1 year, limited

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We make Networking Personal<sup>®</sup>. SOHware<sup>®</sup>, Inc. U.S. Headquarters 3050 Coronado Dr.  
Santa Clara, CA 95054 Tel. 1.800.632.1118 Fax. 1.408.565.9889 www.sohware.com