



### Description

The MA12-24 is a profession grade omni-directional antenna that can be used for a wide array commercial wireless communication installations. The antenna features high gain and superior VSWR. The unit is optimized for the 2.4GHz ISM band at 12dBi and provides superb 360° coverage for 802.11a/b/g networks.

The MA12-24 indoor/outdoor wireless antenna's construction features a durable fiberglass radome for durability and aesthetics. Its mounting system features twin heavy-duty mounting brackets and U-Bolts designed to ensure superior strength. The thick brass elements provide long life in hostile environments.

### Features

- Omni-directional (360° coverage) .
- Rugged weatherproof fiberglass construction.
- Ability to withstand wind speeds of 135mph
- Mast mount design.
- N Jack interface .

### Ordering Information

WiFi Node Type	Part #	Compatible Antenna	Frequency	Gain	WiFi Network Compatibility
Wireless Mesh Node	MNG6448	MA12-24			802.11a/b/g
Wireless Backhaul Bridge	WB5326				802.11a/b/g
Accessories	AP540 = Antenna Cable & Surge Arrestor				

# MA12-24 Wireless Antenna

Wireless Antenna

TECHNICAL SPECIFICATION

## Hardware

Construction	Fiberglass
Mounting System	2 x Mounting Brackets w/ U-Bolts

## Operating Features

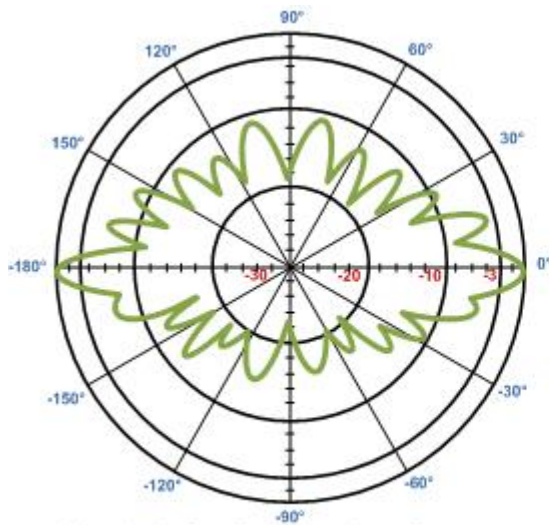
Gain	12.0dBi
Frequency Range	2400MHz—2500MHz
VSWR	2.0 : 1 Max
Polarization	Linear & Vertical
HPBW / Horizontal	360°
HPBW / Vertical	9.6°
Front - Back	15dB
Frequency Range	2400MHz - 2500MHz
Power Handling	10w
Impedance	50Ohms

## General

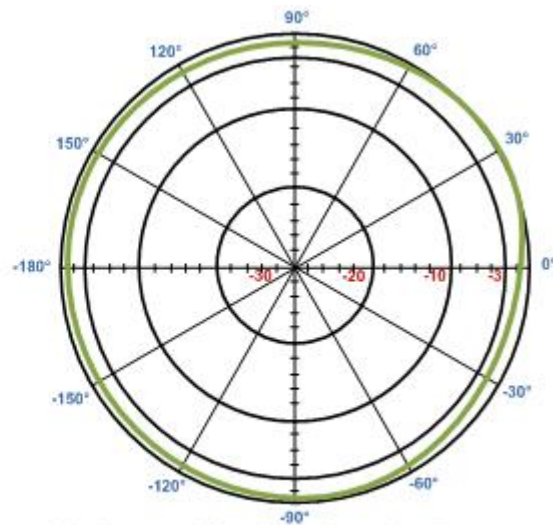
Temperature Rating	-4° to 149° Fahrenheit
Wind Survivability	135mph
Humidity	95% @ 77°
Shipping Weight	1.6lbs

In our continued effort to “Bridge the Gap in Technology”, product specifications are subject to change without notice.

## System Design



Vertical Co-Polarization Pattern



Horizontal Co-Polarization Pattern

**NITEK**®



RoHS  
COMPLIANT  
2002/95/EC

USA

5410 Newport Drive, # 24  
Rolling Meadows, IL 60008  
Phone: (847) 259-8900  
Fax: (847) 259-1300  
E-mail: [info@nitek.net](mailto:info@nitek.net)  
[WWW.NITEK.NET](http://WWW.NITEK.NET)