

## Innovative **Technology** for a **Connected** World

# VERTICALLY POLARIZED OMNI ANTENNAS

**OD24** 



#### 2400-2485 MHZ VERTICALLY POLARIZED OMNI-DIRECTIONAL ANTENNA

The omni-directional antenna systems offered by Laird Technologies are constructed of UV-stable fiberglass with all stainless steel brackets standard. They come standard with type N female bulkhead connectors with extra heavy duty nuts for optional standoff type mounting. The 7dBi has a 5 deg electrical downtilt standard which is perfect for close-in wireless systems such as apartment complexes. Because of their unique high performance design which eliminates nulls, they can be used in a wide variety of wireless systems.

#### **FEATURES ✓** RoHS

- 9 and 12 dBi antenna gain
- 12dB has 3 deg electrical downtilt standard
- 9dBi has 0 deg or 7deg electrical downtilt options
- Type N female integrated bulkhead connector
- 12dB has optional 24" pigtail with N male or N female connector
- Rugged, lightweight, and waterproof

PARAMETER	OD24-9	OD24-12	
Frequency range	2400-2485 MHz	2400-2485 MHz	
Input return loss (S11)	-14 dB	-14 dB	
VSWR	1.5:1	1.5:1	
Impedance	50 ohm	50 ohm	
Input power	100W	100W	
Pole diameter (OD)	1"- 2" (25-51mm)	1"- 2" (25-51mm)	
Operating temperature	-40 - +70°C	-40 - +70°C	
Rated wind velocity	125 mph (56 m/sec)	125 mph (56 m/sec)	
Gain	9dBi	12dBi	
Vertical beamwidth	14°	7°	
Electrical downtilt	0° or 7°	3°	
Weight	1.1 lbs (0.5kg)	1.4 lbs (0.6kg)	
Length +/- 1.0 in	27 in (69 cm)	48 in (122 cm)	
Diameter	0.6 in (15 mm)	0.6 in (15 mm)	

#### WIND LOADING

MODEL	100 MPH	125 MPH
OD24	8.75 lb	13.7 lb

#### SYSTEM ORDERING

JD24- 9	2.4GHZ	aari	omni	antenna	

OD24-9D7	2.4GHz 9dBi omni antenna with 5 deg electrical downtilt
OD24-12	2.4GHz 12dBi omni antenna with 3 deg electrical downtilt

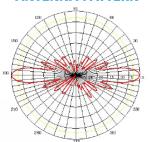
DD24-12P 2.4GHz 12dBi omni antenna with 5 deg electrical downtilt - N male pigtail

OD24-12PF 2.4GHz 12dBi omni antenna with 5 deg electrical downtilt - N female pigtail

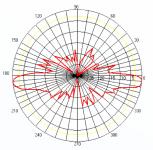
#### **MARKETS**

- 2.4 GHz ISM band applications
- Base station antennas
- 802.11b and 802.11g wireless systems
- Point-to-multi-point systems
- Wireless broadband systems
- WiFi access points

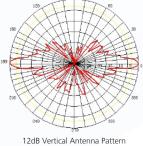
#### **ANTENNA PATTERN**



9dB Vertical Antenna Pattern 0 Deg Elec Downtilt – E Plane



9dB Vertical Antenna Pattern 7 Deg Elec Downtilt – E Plane



3 Deg Elec Downtilt – E Plane

### global solutions: local support ™

Americas: +1.847 839.6907 IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12 IAS-EUSales@lairdtech.com Asia: +1.65.6.243.8022 IAS-AsiaSales@lairdtech.com

www.lairdtech.com

#### ANT-DS-PAWOD24 0809

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