Laird TECHNOLOGIES®

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

Vagi Series® Antenna
VA24-16

2400-2485 MHz VAGI SERIES® ANTENNA

The Vagi Series® antenna system offered by Laird Technologies is constructed of die cast aluminum alloy with anti-corrosion alodine finish. They come standard with a choice of an N female or N male connector and an adjustable 45° tilt galvanized steel QuikClamp bracket which accommodates a 1 to 1.5 inch pole diameter. The Vagi Series antenna can be used in a wide variety of wireless systems where low cost, good performance and low wind loading are important factors. Because of their low visual impact, they have been approved for use by many homeowner associations with strict CC&R restrictions. Various frequency options are available between 1700 and 2700 MHz (contact Laird Technologies for different frequency or connector options).

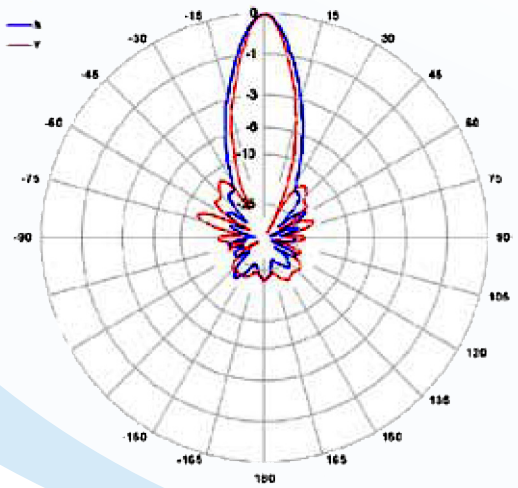
FEATURES ✓RoHS

- Compact, low profile 16 dBi antenna gain
- Low cost compared to other 16 dBi gain antennas
- Very low wind loading aesthetic design
- QuikClamp bracket for 1.0 to 1.5 in pole diameter
- 45° tilt and 360° rotation adjustments
- Vertical or horizontal polarization
- 24 in pigtail with type N female or N male connector
- Rugged, lightweight, and waterproof
- Frequency options available between 1700 and 2700 Mhz

MARKETS

- 2.4 GHz ISM band applications
- Wireless broadband systems
- WISP CPE equipment
- Wireless internet access
- Point-to-multi-point systems
- Building-to-building high speed links
- WiMAX

ANTENNA PATTERNS



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SPECIFICATIONS

PARAMETER	
Frequency range	2400-2485 MHz
Input return loss (S11)	-14 dB
VSWR	1.5:1
Impedance	50 ohm
Input power	50 watts
Pole diameter (OD)	1 to 1.5 in (25 to 38 mm)
Operating temperature	-45° to +70°C
Gain	16 dBi
3dB beam angle (E-plane) vertical polarity	25°
3dB beam angle (H-plane) horizontal polarity	30°
Front to back	> 19 dB
Rated wind velocity	125 mph
Weight	1.5 lbs (0.56 kg)
Dimension L x W x H	22 x 3 x 4 in (559 x 76 x 102 mm)

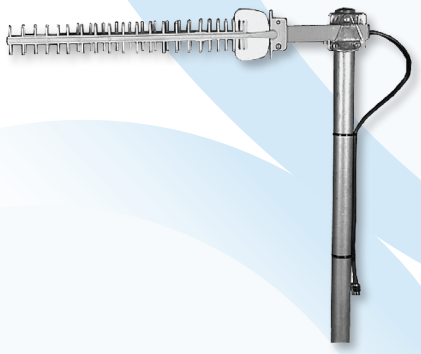
SYSTEM ORDERING

VA24-16M 16 dBi Vagi Series 2.4 GHz Antenna with N Male Connector

VA24-16F 16 dBi Vagi Series 2.4 GHz Antenna with N Female Connector

NOTES

- All shipments F.O.B. Schaumburg, IL 60173
- Laird Technologies does not supply the mounting pole.



16 dBi Vagi Shown in Vertical Polarization

ANT-DS-VA24-16 0611

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