



Smart Technology. Delivered.

WiMax Directional Antenna VA25-16



VAGI® SERIES: 2500 TO 2700 MHz OPERATION

The Vagi® Series antenna system offered by Laird 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 in 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 for different frequency or connector options).

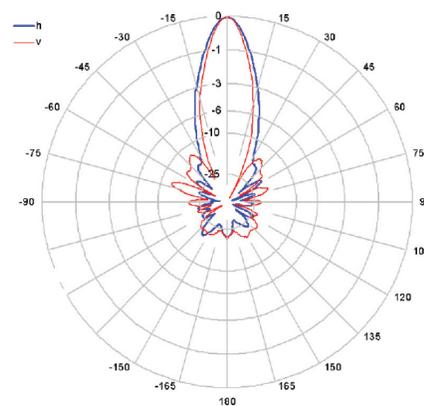
FEATURES

- 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

- WiMax applications
- Wireless broadband systems
- MMDS applications
- Wireless internet access
- Point to multi-point systems
- Building to building high speed links

ANTENNA PATTERN



Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

SPECIFICATIONS

PARAMETER	MODEL	MIN	TYP	MAX	UNITS
Frequency Range	VA25-16	2500		2700	MHz
Input Return Loss			-14		dB
VSWR			1.5:1		
Impedance			50		ohm
Input Power			50		
Pole Diameter (OD)		1 (25)		1.5 (38)	in (mm)
Operating Temperature		-45		+70	°C

*Note: Laird Technologies does not supply the mounting pole

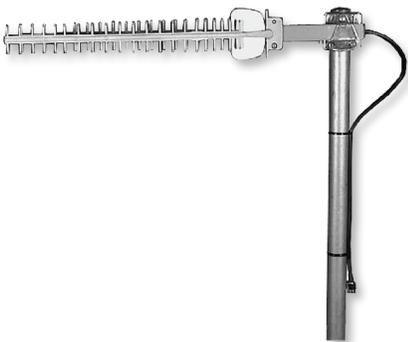
	2500-2700 MHz	VA25-16
Gain		16 dB
3 db Beam Angle (E-Plane) Vertical Polarity 3 dB		25°
Beam Angle (H-Plane) Horizontal Polarity		30°
Front to Back		> 19 dB
Rated Wind Velocity		125 mph (56 m/sec)
Weight		1.5 lbs (0.56 Kg)
Dimension L x W x H		22 x 3 x 4 in (559 x 76 x 102 mm)

SYSTEM ORDERING INFORMATION

VA25-16M	16 dBi Vagi Series 2.4 GHz Antenna with N Male Connector
VA25-16F	16 dBi Vagi Series 2.4 GHz Antenna with N Female Connector

NOTES

- All shipments F.O.B. Schaumburg, IL 60173



16 dBi Vagi Shown in Vertical Polarization

ANT-DS-VA25-16 0115

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