



global solutions :
local support™

Flat Panel Directional Antenna 2400 to 2483 MHz Operation

The 2.4GHz flat panel directional antennas by Laird Technologies offer high gain in a thin low profile package. The antennas are constructed of a gray color UV resistant ABS plastic radome with an aluminum backplate. The antenna can be used in horizontal or vertical polarization. The die cast aluminum or galvanized steel bracket affords +/- 45 deg up or down tilt adjustment and the stainless steel hardware assures a long service life. The PA24-13 and PA24-19 antenna can be surface mounted or pole mounted. The PA24-16 is pole mounted only. All antennas comes with an integral N female connector standard.

Features and Benefits:

- High gain / low profile
- Pole mount or surface mount
- Rugged and weatherproof
- Vertical or horizontal polarization
- Type N female connector

Applications

- Wireless LAN applications
- Client antennas
- 802.11b/g applications
- OEM wireless data

For sales information:

Telephone 801-572-3024

E-Mail sales@pacwireless.com

or visit: www.pacwireless.com

Specifications

Parameter	Model	Min	Typ	Max	Units
Frequency Range		2400		2483	MHz
Gain	PA24-13 PA24-16 PA24-19		13 16 19		dBi
3dB Beamwidth (H&V)	PA24-13 PA24-16 PA24-19		35 26 17.5		Deg
Front to Back	PA24-13 PA24-16 PA24-19		20 27 30		dB
Cross Polarization		-20			dB
VSWR			1.5:1		
Impedance			50		OHM
Input Power				100	W
Operating Temperature		-40		+70	Deg C
Pole Size		1" (25)		2.0" (50)	In (mm)
Weight	PA24-13 PA24-16 PA24-19		17.6 (0.5) 31.5 (0.9) 60 (1.7)		oz (kg)
Dimension (Dia x Depth)	PA24-13 PA24-16 PA24-19	7.5" x 7.5" x 0.8" (190 x 190 x 20) 11" x 11" x 0.8" (279 x 279 x 20) 15.3" x 14.6" x 0.8" (389 x 368 x 20)			In (mm)
Bracket Tilt		45			Deg

Wind Loading (Lbs.)

Model	Sq. In	100MPH	125MPH	100MPH with 1/2" radial ice
PA24-13	56	14 lbs	22 lbs	14 lbs
PA24-16	121	30 lbs	47 lbs	32 lbs
PA24-19	163	41 lbs	64 lbs	41 lbs

System Ordering:

- PA24-13 2.4GHz 13dBi Flat Panel Directional Antenna
- PA24-16 2.4GHz 16dBi Flat Panel Directional Antenna
- PA24-19 2.4GHz 19dBi Flat Panel Directional Antenna

Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request.

Specifications subject to change without notice.

Antenna Patterns

