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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 800-323-3757

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

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Specifications subject to change without notice.

Antenna Patterns

