











## SPECIFICATIONS

Model	J8446A
Frequency MHz:	2400 - 2500
Gain dBi: (with specified cable)	10.4
VSWR (w/12" cable):	1.7:1
Impedance Nominal Ohms:	50
E-Plane (3 dB beamwidth):	13°
H-Plane (3 dB beamwidth):	120°
Front-to-Back Ratio:	18 dB
RF Connector:	Reverse Polarity SMA (male)
Polarization:	Linear (Vertical)
Coaxial Cable:	33" Plenum (CMA)
Enclosure:	Acrylic/PVC, Pin- Stripe gray textured
Antenna Weight lb. (kg):	1.5 (.68)
Power watts:	50
Mounting:	Wall / Mast
Dimensions in.(cm):	3.125 x 23.1 x 2.1 (7.94 x 58.8 x 5.3)

KEY	DISPLAY	DESC	SIZE	QTY
04		FLAT WASHERS	1/4"	4
26		V-BRACKET		4
45		SS MACHINE SCREW	#10-24 x 1/2"	8
60		FLAT WASHERS	#10	4
61		BRACKET		2
62		BRACKET		1
72		SS HEX HEAD MACHINE SCREW	1/4"-20 x 3-1/2"	4
88		SS NYLON HEX NUT	#10 - 24	8
99		SS NYLON HEX NUT	1/4" - 20	4
160		BRACKET		1

### HP WARRANTY INFORMATION

See the Customer Support/Warranty booklet included with this product. A copy of the specific warranty terms applicable to your Hewlett-Packard products and replacement parts can be obtained from your HP Sales and Service Office or authorized dealer.

### SUPPORT

Hewlett-Packard offers support 24 hours a day, seven days a week through the use of a number of automated electronic services. See the Customer Support/Warranty booklet that came with your product for information on how to use these services to get technical support. The HP ProCurve web site, <http://www.hp.com/go/hpprocurve> also provides up-to-date support information under "Technical support".

Additionally, your HP-authorized network reseller can provide you with assistance, both with services that they offer and with services offered by HP.

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**Important Notice:** Please read all instructions carefully before attempting to install and use this product.

Before connecting your external antenna to an HP Wireless Access Point, please read the instructions for using an external antenna with the access point. These instructions explain how to set the access point's power levels to meet regulatory requirements in your area. For the latest instructions, see the 'Product manuals' page for your access point under 'Technical support' at <http://www.hp.com/go/hpprocurve>

# HP ProCurve 11 dBi

indoor / outdoor wide angle directional antenna

J8446A



## SAFETY

The J8446A and all associated equipment should be installed in accordance with all applicable local and national electrical code guidelines to ensure safe operation.

## APPLICATION

The J8446A is a high-performance vertically polarized directional collinear array that provides 120° on-horizon sector coverage in the 2.4-GHz ISM band. It comes with a tilting pole mount for precise steering in both the azimuth and elevation planes.

## LOCATION

For best system performance, position the J8446A above major obstructions and aim to the midpoint of the desired coverage sector.

## MOUNTING

The J8446A is supplied with a pole-supported tilt mount. Mounting holes are also provided for wall installation.



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Part Number : 5990-6067

For pole-support, install the two tilt-mount brackets, as shown in Figure-1:

1. Find slotted *top-mounting bracket* (62). Install at top of J8446A back plane, securing in place with 10-24 machine screws (45) and lock nuts (88). As needed, enlarge plastic radome holes slightly to clear #10 hardware (.201").
2. Find *bottom-mounting bracket* (60). Install at base of J8446A back plane with 10-24 hardware (as in step-1).
3. Find two *support brackets* (61). Install #10-flat washers (60) on two 10-24 machine screws and attach one bracket to the *slotted top-mounting bracket*. Secure loosely with 10-24 lock nuts (88). In similar fashion, attach the second bracket to the antenna's *bottom-mounting bracket*.

4. Find four cast-aluminum V-brackets (26) and four long 1/4" screws (72). Install two screws through the top antenna bracket and slide a v-bracket in place. Set v-bracket against pole and install a second v-bracket from the opposing side. Rotate mount for desired heading and secure in place with two 1/4" lock nuts (99), and two flat washers (04).

5. Repeat above procedure at base, rotating mount so antenna is parallel to mast.

6. Adjust upper slotted mount for desired tilt angle and tighten 10-24 screws to lock in position. Tighten 10-24 pivot screws on base.

**Figure 1**

