



P8S-2400S
Swivel Patch



P8S-2400S
Side View



Pole/Wall Mount
Option



BP5-2400S Patch

Directional Small Patch WiFi 2.4 GHz

- Small weatherproof radome; perfect for in-building & outdoor coverage
- 5 dBi & 8 dBi Gain models for 2.4 GHz WiFi 802.11b/g applications
- Semi-hemisphere radiation pattern for easy installation
- Unique design provides high performance at an economical price

Mobile Mark's 2.4 GHz Patch Antennas are perfect for Wireless LAN systems, as well as other applications in the ISM band. They have features that make them invaluable, solving many of the problems normally associated with 2.4 GHz patch designs.

The antennas use unique designs that provide significant improvements in efficiency while being very economical. VSWR performance is maintained across the operating bandwidth.

The antennas provide near hemispherical energy radiation, resulting in broad area coverage, yet maintaining directivity and isolation.

The P8S Patch antenna is small and provides an attractive design. Its size is 3.5"W x 5"H (89 mm x 127 mm). The radome is an extremely durable polycarbonate material.

The mount for the antenna allows it to snap in, and then click-swivel from side-to-side. It can be adjusted over a range of +/- 60 degrees. It is durable and weatherproof.

The mount allows low profile surface mount installation (2.75"/70

mm). The antenna provides a right angle SMA Jack (Female) connector at the rear.

The BP5 button patch is only 2 1/2" diameter (64 mm), but provides 5 dBi gain. It is enclosed in an ASA plastic radome (UV resistant), with a smooth finish. It economically mounts using double-sided tape. Additional cable jumpers can be provided.

Model #	Gain	Connector
BP5-2400-4C-WHT-6	5 dBi	SMA Plug (Male)
BP5-2400-4C-BLK-6	5 dBi	SMA Plug (Male)
<u>Color options available for above models</u> BLK-Black or WHT-White		
P8S-2400S-WHT	8 dBi	SMA Jack (Female)
BP-MK	Pole/Wall mount option for BP5-2400	

Specifications

Frequency:	2400 - 2485 MHz
Gain:	See above
VSWR:	2:1 max over band
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Beamwidth:	
P8S-2400S	50° elevation, 70° azimuth
BP5-2400S	80° elevation, 80° azimuth
Front-to-Back ratio:	15 dB, P8S; 10 dB, BP5
Radome Size:	
P8S-2400S	3.5"W x 5"H x 2.75" D (89 mm x 127 mm x 70 mm)
BP5-2400S	2 1/2" Diam x 0.75" D (64 mm x 19 mm)

Lightning Protection:	External recommended
Rated Wind Velocity:	120 mph+ (200 kph)
Operating Temp:	-40° to +85° C
Antenna Radome:	P8S is white ABS Plastic BP5 is white or black ASA
Weight:	0.5 lbs (0.2 kg)
Mounting:	
P8S-2400S	Swivel Surface mount
BP5-2400S	Fixed double sided tape, optional pole/wall mount
Termination:	
P8S-2400S	SMA Female (right angle)
BP5-2400S	6 inches RG-188 (152 mm), with SMA Plug (Male)