



P8S-2400S Swivel Patch



P8S-2400S
side view



Pole/Wall
Mount Option



BP5-2400S Patch

Patch Antennas

WiFi & 2.4 GHz ISM Applications

- 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. It is finished in ergo-white with stylized accents. 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 female SMA connector that exists 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. It terminates with 6" RG-188 cable (152 mm), and a male SMA. Additional jumpers can be provided. The antennas can be used both indoors & outdoors. An optional pole/wall mount assembly kit is also available.

Model Number

Models	Description
P8S-2400S	8 dBi Patch Antenna, female SMA
BP5-2400S	5 dBi Button Patch, male SMA
BP-MK	Pole/Wall mount option for BP5-2400S

Special configurations may be available, please consult factory.

Specifications

Frequency:	2400 - 2485 MHz	Rated Wind Velocity:	120 mph+ (200 kph)
Gain:	See above	Operating Temp:	-40° to +85° C
Bandwidth@2:1 VSWR:	85 MHz	Antenna Radome:	P8S is Polycarbonate, BP5 is ASA plastic
Impedance:	50 Ohm nominal	Weight:	0.5 lbs (0.2 kg)
Maximum Power:	10 Watts	Mounting:	
Beamwidth:		P8S-2400S	Swivel Surface mount
P8S-2400S	50° elevation, 70° azimuth	BP5-2400S	Fixed double sided tape, optional pole/wall mount
BP5-2400S	80° elevation, 80° azimuth	Termination:	
Front-to-Back ratio:	15 dB for P8, 10 dB for BP5	P8S-2400S	SMA Female (right angle)
Radome Size:		BP5-2400S	6" RG-188 (152 mm), with male SMA
P8S-2400S	3.5"W x 5"H x 2.75" D (89 mm x 127 mm x 70 mm)	For special configurations, please consult factory.	
BP5-2400S	2 1/2" Diam x 0.75" D (64 mm x 19 mm)		
Lightning Protection:	External recommended		



Button Patch Antenna



Deluxe Pole/Wall Mount option

Button Patch Antennas (Pat.Pnd.)

Models for 2.4 - 6 GHz

- Small weatherproof radome; perfect for in-building & outdoor coverage
- Models for 802.11b/g WiFi, 3.5 GHz, and 802.11a (5.2/5.8 GHz)
- Semi-hemisphere radiation pattern for easy installation
- Unique design provides high performance at an economical price

Mobile Mark's Button Patch Antennas are excellent for WiFi 3.5 GHz WiMAX and 5 GHz telemetry. They have features that make them invaluable, solving many of the problems normally associated with these higher frequencies.

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 Button Patch is only 2 1/2" diameter (64 mm). It also is enclosed in a weather tight ASA plastic radome, with a smooth finish. The antennas are supplied in white.

They economically mount using double-sided tape. They terminate with 6" of RG-188 cable (152 mm), and a male SMA. Additional jumpers can be provided. The antennas are usable both indoors & outside. An optional bracket allows pole and wall mounting of the Button Patch.

The antennas come in a variety of gain configurations, depending on the frequency of operation. Please refer to model chart for exact gain & frequency.

The Button Patch antennas mount using industrial double sided tape. Because they have broad beamwidth, angle adjustment is usually not necessary. An optional deluxe pole/wall mount assembly kit is also available.

Model Number

Models	Freq	Description
BP5-2400	2.4-2.49 GHz	5 dBi Button Patch
BP7-3500	3.4-3.70 GHz	7 dBi Button Patch
BP7-5250	5.15-5.35 GHz	7 dBi Button Patch
BP7-5725	5.72-5.83 GHz	7 dBi Button Patch
BP10-5500	4.90 -5.85 GHz	10 dBi Button Patch
BP-MK	N/A	Pole/Wall Mount option

All antennas supplied with 6" (152 mm) of RG-188 and male SMA. For other connectors including reverse polarity, or cable configurations, please consult factory.

Specifications

Frequency:	See above
Gain:	See above
Bandwidth@2:1 VSWR:	See Freq above
Impedance:	50 Ohm nominal
Maximum Power:	50 Watts
Beamwidth:	
BP5-2400	80° Az, 80° El
BP7-3500	75° Az, 53° El
BP7-5250	80° Az, 60° El
BP7-5725	80° Az, 60° El
BP10-5500	60° Az, 60° El
Front-to-Back ratio:	15 dB
Operating Temp:	-40° to +85° C

Lightning Protection:	External recommended
Radome Size:	2 1/2" Dia x 0.75" Depth (64 mm Dia x 19 mm Depth)
Rated Wind Velocity:	125 mph+ (200 kph)
Antenna Radome:	ASA plastic
Weight:	0.5 lbs (0.25 kg)
Mounting:	Fixed double sided tape, surface mount, optional deluxe pole/wall mount kit is available
Termination:	6" (152 mm) RG-188, male SMA connector