



WiFi Panel Antenna 6x MIMO, Quad-polarization

- Directional Antenna for 802.11ac
- Quad-polarization MIMO (i.e. Horizontal, Vertical, +45 Degree Slant, and -45 Degree slant)
- Attractive, compact package measuring 9" x 9" (23cm x 23cm)

The new 802.11ac networks are designed for high density, high capacity usage. To perform as they are intended to perform, the antennas need to match the capabilities of the modems and provide the same 6x MIMO coverage; this new Panel Antenna provides that kind of operation for 6x MIMO WiFi system.

This new WiFi 6x MIMO Panel Antenna features six separate connection ports in order to provide optimum MIMO (multiple-input-multiple-output) performance for the new WiFi 802.11ac modems.

The PND10-W-AC6-WHT panel antenna achieves MIMO performance by using multiple polarizations for the six elements housed within the antenna. This 6-port MIMO antenna features quad-polarization: vertical, horizontal, slant -45 degree, and slant +45 degree for state-of-the-art MIMO technology.

The antenna provides coverage on both 2.4-2.5 & 4.9-6.0 GHz, which allows the antenna to operate on the 5 GHz band for 802.11ac, but also be backwards compatible for 802.11n and 802.11b/g modems.

The antenna offers 8 dBi gain on the 2.4 GHz band and 10 dBi gain on the 5 GHz band. These gain levels provide wireless

coverage over a longer distance while still providing adequate beamwidth coverage for easy installation and alignment.

The antenna covers 100 degree azimuth x 60 degree elevation at 2.4 GHz and 40 degree azimuth x 45 degree elevation at 5 GHz. Alignment is also aided by the adjustable tilt mount that comes with the antenna.

The antenna gets high marks for its efficiency with a minimum front-to-back ratio of 20 dB and an antenna isolation figure of greater than 20 dB. It is designed to handle up to 20 watts of power.

Compact and attractive, this antenna will fit in well with any 802.11ac WiFi MIMO Installation.

Model #	Description
PND10-W-6AC-WHT	2.4-2.5 & 4.9-6.0 GHz
Description: Directional Antenna for 802.11ac applications. Quad-polarization MIMO. Six Rev Pol SMA Jack connectors.	

Specifications			
Frequency:	2.4-2.5 & 4.9-6.0 GHz	Beamwidth:	100 Degree azimuth x 60 Degree elevation
Gain:		2.4-2.5 GHz	40 Degree azimuth x 45 Degree elevation
2.4-2.5 GHz	8 dBi gain	4.9-6.0 GHz	50 ohms
4.9-6.0 GHz	10 dBi gain	Impedance:	2:1 max over range
Polarization:		VSWR:	20 Watts
Connector #1	Horizontal	Maximum Power:	
Connector #2	+45 Degree Slant	Case:	9"x9"x1.6" (23cmx23cmx4cm)
Connector #3	-45 Degree Slant	Case Material:	White ASA Plastic
Connector #4	Vertical	Connectors (all 6):	Rev Pol SMA Jack (Female)
Connector #5	+45 Degree Slant	Mounting:	L-Bracket with U-bolt.
Connector #6	-45 Degree Slant		Mounts up to 2.5" dia. (6.3 cm)
Front to Back ratio:	20 dB minimum		
Antenna isolation:	>20 dB		
Operating Temp:	-40 Degrees to +85 Degrees		