



**PND10-W Series,
8-10 dBi gain**



Panel Antennas for 802.11ac WiFi 6x MIMO

- Directional Antenna for 802.11ac
- Quad-polarization MIMO (i.e. Horizontal, Vertical, +45° Slant, and -45° Slant)
- Mounting hardware allows vertical tilt adjustment of up to 24-degrees
- 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 a 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-GRY 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°, and slant +45° 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° azimuth x 60° elevation at 2.4 GHz and 40° azimuth x 45° 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 #	Frequency
PND10-W-6AC-GRY	2.4-2.5 & 4.9-6.0 GHz
Description: Directional Antenna for 802.11ac applications. Quad-polarization MIMO (i.e. Horizontal, Vertical, +45° Slant, and -45° Slant).	
Six Rev Pol SMA plug connectors. Grey radome.	

Specifications			
Frequency:	2.4-2.5 & 4.9-6.0 GHz		
Gain:	2.4-2.5 GHz	8 dBi gain	
	4.9-6.0 GHz	10 dBi gain	
Polarization:			
Connector #1	Horizontal		
Connector #2	+45° Slant		
Connector #3	-45° Slant		
Connector #4	Vertical		
Connector #5	+45° Slant		
Connector #6	-45° Slant		
Front to Back ratio:	20 dB minimum		
Antenna isolation:	>20 dB		
Operating Temp:	-40° to +85° C		
Beamwidth:	2.4-2.5 GHz	100° azimuth x 60° elevation	
	4.9-6.0 GHz	40° azimuth x 45° elevation	
Impedance:	50 ohms		
VSWR:	2:1 max over range		
Maximum Power:	20 Watts		
Case:	9" x 9" x 1.6" (23 cm x 23 cm x 4 cm)		
Case Material:	Light Grey ASA plastic		
Connectors (all 6):	Rev Pol SMA Plug (Male)		
Mounting:	L-Bracket with U-Bolt. Mounts up to 2.5" dia. (6.3 cm)		