

# PND10-2500/5500



## PRODUCT OVERVIEW

This 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 PND10-2400/5500 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.

## 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 13.50" x 13.50" x 1.96" (34.cm x 34.cm x 5 cm)

### LPD SERIES SPECIFICATIONS

Part Number	PND10-2400/5500-Y6-WHT
Frequency Range	2.4-2.5 & 4.9-6.0 GHz
Gain	2.4-2.5 GHz: 8 dBi 4.9-6.0 GHz: 10 dBi
Polarization:	Connector #1: Horizontal Connector #2: +45 Degree Slant Connector #3: -45 Degree Slant Connector #4: Vertical Connector #5: +45 Degree Slant Connector #6: -45 Degree Slant
Front to Back Ratio:	20 dB minimum
Antenna isolation:	>20 dB
Operating Temp:	-40 Degrees to +85 Degrees
Beamwidth:	2.4-2.5 GHz: 100 Degree azimuth x 60 degree elevation 4.9-6.0 GHz: 40 Degree azimuth x 45 degree elevation
Impedance:	50 ohms
VSWR	2:1 max over range
Maximum Power:	20 Watts
Dimensions	13.50"x13.50"x1.96" (34.3cmx34.3cmx5cm)
Connectors (all 6)	N Jack
Mounting	Flange Mounting
Operating Temp	-40 degrees to +85 degrees