

## PND8-3800

4x MIMO CBRS / C-BAND PANEL ANTENNA

### PRODUCT OVERVIEW

The PND8-3800 directional panel antenna was designed for CBRS & Private LTE networks using 4G LTE or 5G. This sturdy antenna can be used for both indoor and outdoor installations. Coverage settings include mesh systems, point-to-point or point-to-multi-point applications.

This 4-port MIMO directional antenna achieves 4xMIMO performance by using multiple polarizations for the four elements housed within the antenna. Specifically, it features quad-polarization: vertical, horizontal, slant -45°, and slant +45° for improved signal transmission and reception.

The PND8-3800 offers coverage across the entire C-Band from 3.4 - 4.2 GHz, including CBRS (Citizens Band Radio Service) from 3.55 - 3.7 GHz. This antenna is ready for additional portions of the C-Band released by the FCC such as the 3.45 - 3.55 GHz band and the 3.7 - 3.98 GHz band.

The antenna features 8 dBi gain. The strong gain level provides wireless coverage over a longer distance. The beamwidth on the antenna is 70° azimuth (horizontal) x 60° elevation (vertical). This provides adequate beamwidth coverage for easy installation and alignment.

The Standard Pole Mount included with the antenna has an adjustable tilt feature. This allows the antenna angle to be adjusted as much as 20-degree downtilt.

This is a high quality and reliable antenna that has been designed and built in the USA.

Visit our [eStore](#) to customize an Antenna online.

Electrical Specifications	
Frequency & Gain	Connector #1 3.4 - 4.2 GHz, Vertical
	Connector #2 3.4 - 4.2 GHz, +45° Slant
	Connector #3 3.4 - 4.2 GHz, Horizontal
	Connector #4 3.4 - 4.2 GHz, -45° Slant
Gain	8 dBi
Beamwidth	70° Azimuth x 60° Elevation
VSWR	< 2.1
Front to Back Ratio	25 dB Minimum
Antenna Isolation	25 dB Minimum
Impedance	50 Ohm Nominal
Power Rating	10 Watts

Mechanical Specifications	
Radome Material & Color	ABS Plastic, Available in White
Radome Dimension	8.50" (216 mm) Length x 8.50" (216 mm) Width and 1.25" (31.75mm) Depth
Standard Connectors	4x SMA Jacks (Female)
Operating Temperature	-40° to +85° C
Mounting Included	Standard Pole Mount with Adjustable Down Tilt (Up to 20°)
RoHS Compliant	Yes



P N D 8 - 3 8 0 0 - 4 X - W H T

Gain

Approx Freq

# of Connectors

Color

### HIGHLIGHTS:

- C-Band 3.4 - 4.2 GHz Coverage
- Four Connectors; 4x MIMO
- Quad-Polarization
- Directional Antenna
- Made-in-the-USA & UK

### RELATED MODELS:

- PS12-3500-60 (CBRS, Sector Panel)
- YAG9-3500 (CBRS Yagi Antenna, Directional)
- Y42700WB (5G Log Periodic, 600-6000 MHz)

### COMMON APPLICATIONS:

- CBRS & Private LTE Networks
- Universities & Campuses
- Rural Broadband
- Arenas & Stadiums
- Expanding Small Cell Capacity



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