

# PND8-3800

## PRODUCT OVERVIEW

The PND8-3800 directional panel antenna was designed for use in 5G, CBRS & Private LTE networks. 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.

The panel antenna offers 4X MIMO coverage on C-Band & CBRS. It achieves MIMO performance by using multiple polarization's for the four elements housed within the antenna. This 4-port MIMO directional antenna 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 GHz to 4.2 GHz, including CBRS (Citizens Band Radio Service). This antenna is ready for those portions of the C-Band that are available today as well as those that are planned for release 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 with the adjustable tilt allows the antenna to be adjusted up to 22° downtilt.

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

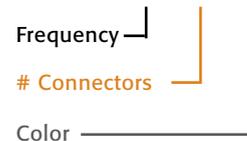
Electrical Specifications		
Frequency & Polarization	Connector #1	3.4 - 4.2 GHz, Vertical
	Connector #2	3.4 - 4.2 GHz, +45° Slant
	Connector #3	3.4 - 4.2 GHz, Horizontal
	Connector #4	3.4 - 4.2 GHz, -45° Slant
Gain	8 dBi	
Beamwidth	70° Azimuth x 60° Elevation	
VSWR	< 2:1	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	

Mechanical Specifications	
Radome Material & Color	ABS Plastic, Available in White
Radome Dimension	8.5" (21.6cm) L x 8.5" (21.6cm) W
Standard Connectors	4 x SMA Jacks
Operating Temperature	-40° to +85° C
Mounting	Standard Pole Mount with adjustable downtilt (up to 22°)



4 x MIMO CBRS Panel

PND8 - 3800 - 4X - WHT



### HIGHLIGHTS:

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

### RELATED MODELS:

- PS12-3500 (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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