

# Cambium PMP 450 17 dBi 5 GHz Sector Antenna, 90 degree

MPN: 85009324001

## Description

Cambium's PMP 450 connectorised access point requires high performance sector antennas to achieve its headline throughputs.

Cambium offer two MIMO sector antennas that have been designed for seamless installation alongside the PMP 450 AP. The two models have the same peak gain but offer 60° and 90° azimuth beamwidths to meet the two most commonly required coverage footprints and ABAB / ABCABC frequency allocations.

The 5 GHz Access Point 60 and 90 degree sector antennas are specifically designed for use with the 5 GHz PMP 450 platform of products. As a result of their consistent front-to-back ratio in combination with power control and high gain, these antennas deliver optimised performance, including maximised spectral efficiency and easy installation.



## RF Specification

Start Frequency:	5400 MHz	Polarisation:	Dual Pol (V, H)
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	30 W		

RF Connector



Cambium Networks

Ports **Cambium Networks™**

RF Interface  
N Female

Cambium Networks enables service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks, reach users from 200 kilometers across mountain tops to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network ...

Body Shape  
Straight

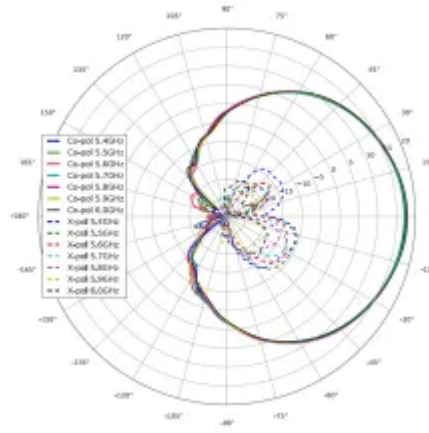
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio	Inter-Port Iso.	Cross-Polar Iso.
5400 MHz	6000 MHz	17 dBi	< 1.5:1	65°	6°	> 32 dB	> 33 dB	> 28 dB

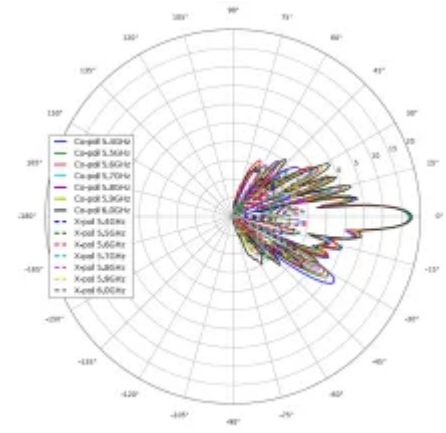
Polar Patterns

Start Frequency: 5400 MHz  
 Stop Frequency: 6000 MHz

Azimuth Polar Plot



Elevation Polar Plot



# Physical Specification

Subtype:	Panel / Sector	Dimensions:	146 x 64 x 570
Input Ports:	2	Materials:	Polyvinyl Chloride (PVC)
MIMO:	2x2 MIMO	Mounting:	Pole Clamp 38 to 114 mm
Min. Operating Temperature:	-40 °C	Weight:	6.6 kg
Max. Operating Temperature:	60 °C	Compliance/Certifications:	ISO 9001 Quality Management

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

