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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.





Cambium Networks

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 down to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network ...

RF Specification

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

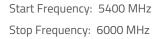
RF Connectors

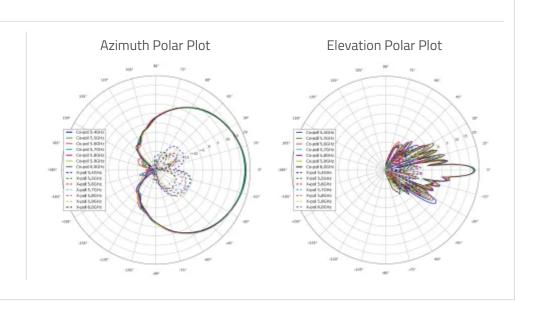
| Ports | RF Interface | Body Shape |
|-------|--------------|------------|
| 2 | N Female | Straight |

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





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 |
| | | | |

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