

CB-SEC-5G-90/120

Cambium ePMP 5GHz 90/120 Sector Antenna

Product Overview

Cambium ePMP 5GHz 90/120 Sector Antenna, Frequency Range: 4.9GHz to 5.97GHz, Gain 18dBi, 3 dB Beamwidth - Azimuth 90 degrees, 6 dB Beamwidth - Azimuth 120 degrees, 3 dB Beamwidth - Elevation 6 degrees, Polarization: Horizontal and Vertical



Specifications

Overview:

C050900D021A - Cambium ePMP 5GHz 90/120 Degree Sector Antenna

Cambium Networks has designed an antenna solution that enables network operators to increase the spectral efficiency and scale of their ePMP point to multi-point (PMP) distribution access networks.

Wireless Service Providers deploying networks in 5GHz spectrum will find this sector antenna for 90 degrees and 120 degrees applications especially well-suited for high-density networks requiring frequency re-use and wide-band spectrum coverage.

Features:

- Frequency Reuse: Designed for ABAB channel re-use (two channels covering four sectors), the sector antenna has 35 dB front to back ratio including a wide aperture in the rear facing direction

ComX Computers

Product Specification Sheet

- Channel Flexibility: consistent gain from 4.9 to 6.0 GHz allows the operator to select a channel anywhere in the band and achieve the expected performance
- Consistent Coverage: Excellent null fill capabilities of the antenna allow for broad geographical coverage within a sector even near the base of the tower and the edges of the sector
- Designed for the Installer: Small compact design, integrated ePMP radio mount and GPS antenna integration
- Predictable Performance: The sector antenna is integrated into Cambium Networks LINKPlanner. The 3D model shows coverage at all elevations and across the azimuth

Product Specifications

- Frequency Range: 4.9GHz to 5.97GHz
- Gain: 18dBi
- 3 dB Beamwidth - Azimuth: 90 degrees
- 6 dB Beamwidth - Azimuth: 120 degrees
- 3 dB Beamwidth - Elevation: 6 degrees
- Electrical Downtilt: -2 degrees
- Polarization: Horizontal and Vertical
- Port-to-Port Isolation: > -30 dB
- Front-to-Front Ratio: 35 dB
- Maximum Input Power: 5 W
- Input Impedance: 50 ohms
- Mounting Connectors: 2 x RPSMA
- Mounting Hardware: Included for mounting to mast diameters 2" to 4" (5 cm to 10 cm), -10 to +5 degree tilt, Hardware included to connect ePMP access point to back of antenna body
- Physical Dimensions (Antenna Body): 23.4" (H) x 6.2" (W) x 4.3" (D) (584 mm x 157 mm x 110 mm)
- Physical Dimensions (with ePMP 1000 Access Point): 23.4" (H) x 6.2" (W) x 5.9" (D) (593 mm x 157 mm x 150 mm)
- Weight: Antenna Body: 8.8 lbs. (4.0 Kg). With ePMP 1000 Access point and Mounting Brackets: 14.6 lbs. (6.6 Kg)
- Environmental: IP65
- Radome Material: UV Protected ABS
- Operating Temp: -40 degreesC to 60 degreesC (-40 degreesF to 140 degreesF)

Product Includes

- (1) ePMP 5GHz 90/120 degrees Sector Antenna
- (2) Pole Brackets
- (2) Front Mast Clamps
- (2) Rear Mast Clamps
- (4) M8x160 Bolts
- (4) M8x12 Screws
- (8) M8 Nuts
- (1) Antenna Body
- (1) ePMP 1000 Holder
- (1) ePMP 2000 Sector Mount
- (1) Environmental Cover
- (2) RP-SMA Cables

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/CB-SEC-5G-90-120-Cambium-ePMP-5GHz-90-120-Sector-Antenna-Buy-p-163097.php>

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: <https://www.comx-computers.co.za/terms-of-use.php>

Terms of Sale: <https://www.comx-computers.co.za/terms-of-sale.php>

PDF generated: 2026-10-17 17:08:45.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.