ComX Computers
Product Specification Sheet

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

- 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.co.za/CB-SEC-5G-90-120-Cambium-ePMP-5GHz-90-120-Sector-Antenna-p-163097.php

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