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Cambium Dual Polarised 5 GHz HP Parabolic Antenna, 1.2 metre

MPN
RDH4510B

Description

Cambium's RDH4510B is a dual-polarised High Performance (HP) parabolic dish antenna manufactured by RadioWaves. The 1.2 metre (4 ft) diameter antenna

provides a nominal peak gain of 34.7 dBi from 5250 to 5850 MHz, and capable of operation across the full 5 GHz band from 4900 to 6000 MHz with only a minor degradation in performance.

With its integrated radome, the 1.2 metre diameter RDH4510B is used in long distance point to point, providing connectivity beyond 50 kilometres, and considerably further in many regulatory environments.

The HP High Performance Series by RadioWaves offers a full line of high performance parabolic antennas engineered to provide ETSI class 2/3 radiation pattern conformance as well as excellent gain.

RadioWaves field-proven pre-assembled antennas and robust pole mounts ensure “set and forget” installation with minimal post-installation maintenance. The included radome ensures robust and reliable performance under ...

[Read More](#)

RDH4510B has been selected by Cambium for pairing with its PTP 450i, 550, and 670 series 5 GHz point-to-point radios due to its known and reliable performance. To ensure PTP radios can be accurately diagnosed and supported, deviation from manufacturer specified antennas is not recommended.

All RadioWaves antennas are provided with a 7 year manufacturer warranty.



[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

5250 MHz

Stop Frequency

5850 MHz

Polarisation

[Dual Pol \(V, H\)](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface Body Shape

2 [N Female](#) [Straight](#)

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Elevation	F/B Ratio	XPB
5250 MHz	5450 MHz	34.2 dBi	> 14 dB	< 1.5:1	3°	3°	> 49 dB	> 30 dB
5450 MHz	5850 MHz	34.7 dBi	> 14 dB	< 1.5:1	3°	3°	> 49 dB	> 30 dB

Physical Specification

Subtype

[Dish / Grid](#)

Input Ports

2

MIMO

[2x2 MIMO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

60 °C

Dimensions

1800 x 1520 x 890

Materials

[Aluminium](#)

Mounting

Pole Clamp 114 mm ø

Weight

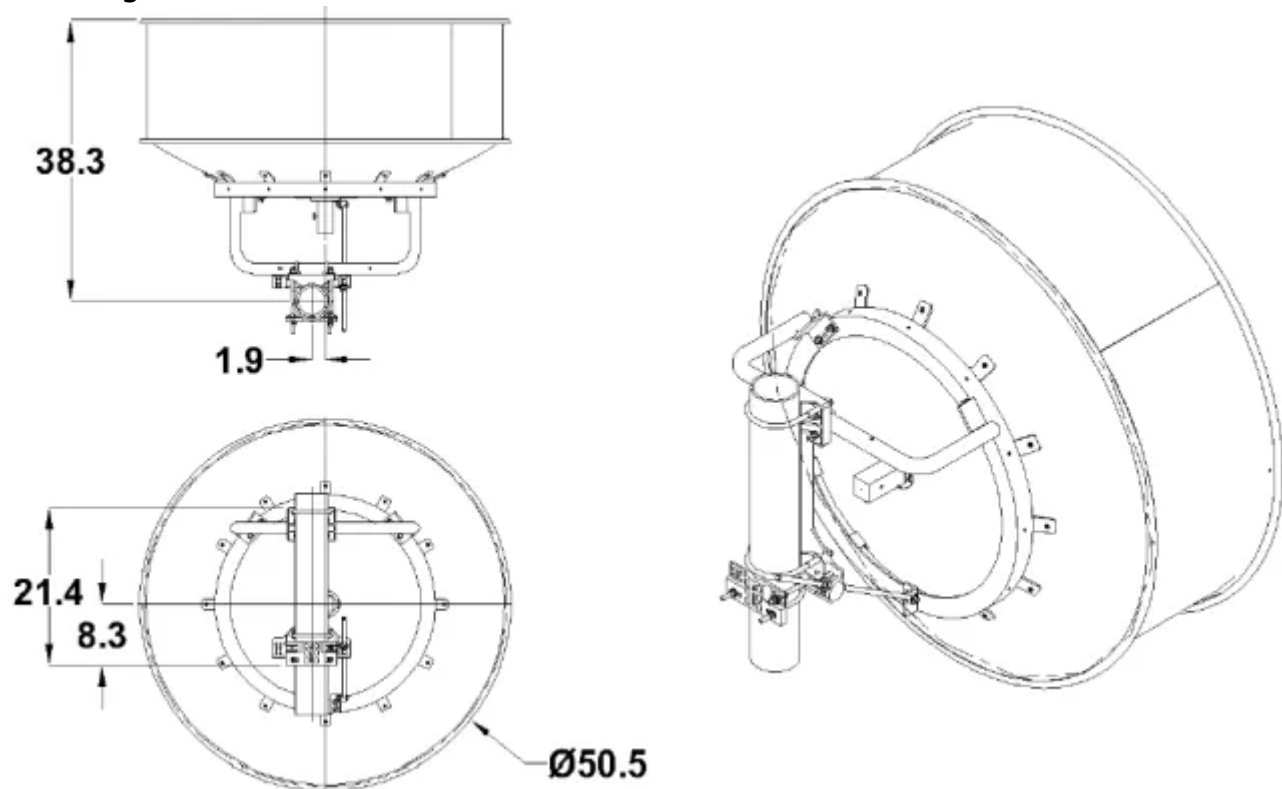
38.3 kg

Compliance/Certifications

ISO 9001 Quality Management

RoHS

Drawing



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