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# Cambium Networks RDH4503C 2-FT (0.6M), Dual-Pol Dish Antenna, N Female, 4.9 to 6 GHz

SKU
WIF-CB-00117
MPN
RDH4503C

**Description**

Cambium's RDH4503C is a dual-polarised Standard Performance (SP) parabolic dish antenna manufactured by RadioWaves. The 0.6 metre (2 ft) antenna provides a nominal peak gain of 29 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.

The SP Standard Performance Series by RadioWaves offers a full line of cost effective standard performance parabolic antennas engineered to deliver reliable radio links.

Designed for both unlicensed and licensed band applications, RadioWaves field-proven pre-assembled SP antennas and robust pole-mounts ensure “set and forget” installation with minimal post-installation maintenance.

Read More

RDH4503C 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.




Cambium™ Networks

**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

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

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | Return Loss | Azimuth | Elevation | F/B Ratio | XPD |
|---|---|---|---|---|---|---|---|
| 5250 MHz | 5450 MHz | 28.5 dBi | > 14 dB | 6.2° | 6.2° | > 38 dB | > 30 dB |
| 5450 MHz | 5650 MHz | 29 dBi | > 14 dB | 6.2° | 6.2° | > 38 dB | > 30 dB |
| 5650 MHz | 5850 MHz | 29.5 dBi | > 14 dB | 6.2° | 6.2° | > 38 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
200 x 710 x 710

Materials

Aluminium

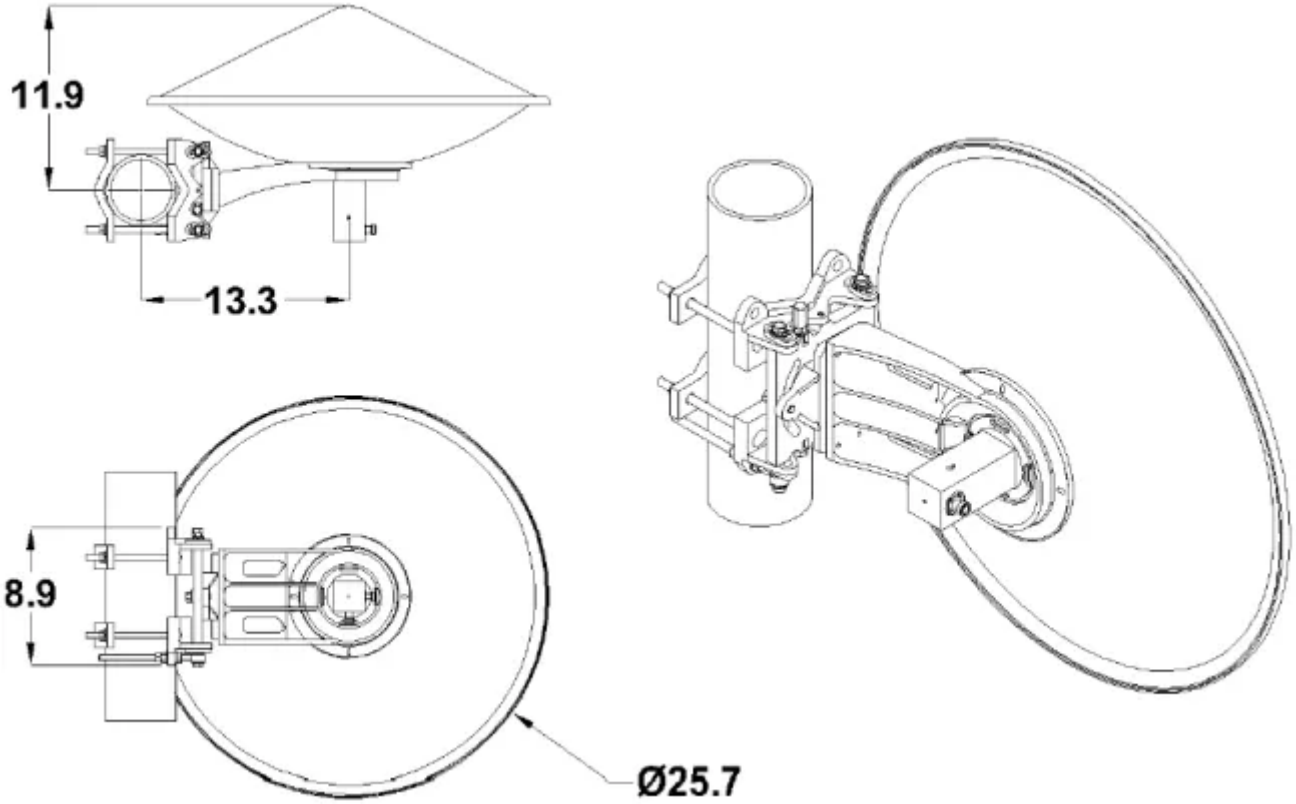
Mounting

Pole Clamp 114 mm ⌀

Weight

11.3 kg

Drawing




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