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# **Cambium Networks C050045B001A 5 GHz PTP 450i END, Connectorised (ROW)**

SKU  
WIF-CB-00115  
MPN  
C050045B001

## Description

Cambium's PTP 450i is a durable 5 GHz point-to-point microwave radio capable of providing data connectivity up to 300 Mbps with very high reliability.

PTP 450i provides industrial grade performance with IP66 / IP67 ingress protection, while maintaining a very reasonable price point. The unit can be set to use any 40 MHz channel within the entire 5 GHz band to achieve in excess of 300 Mbps of real throughput using modulation up to 256QAM and 2x2 MIMO.

With its Motorola legacy and industrial metal enclosure it should be no surprise the unit boasts a working life (MTBF) of over 40 years.

Several variations are available, with the connectorised unit shown. In addition to multiple high gain parabolic options, an integrated 23 dBi unit is also very popular for short-to-medium range links.

[Read More](#)





## 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 ...

## Network Interfaces

Wireless Interfaces

Topology

[Point-to-Point \(P2P\)](#)

Max. Throughput

300 Mb/s

Encryption

[AES-128](#)

Max. Clients

1

Latency

5 ms

Aggregate Channel Width

40 MHz

Transmit Power

28 dBm

Agg. Data Rate

300 Mb/s

Agg. Channel Width

40 MHz

Wireless Bands	Start Frequency	Stop Frequency	MIMO	Channel Width	Modulation	Max. Data Rate
<a href="#">5 GHz</a>	4900 MHz	5925 MHz	<a href="#">2x2 MIMO</a>	40 MHz	<a href="#">256QAM</a>	300 Mb/s

RF Connections

#### RF Connector Function Quantity RF Interface

Wireless Link	2	<a href="#">N Female</a>
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Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
<a href="#">RJ45 Copper</a>	1	Data + PoE In	<a href="#">100BASE-T</a> , <a href="#">1000BASE-T</a>	<a href="#">802.3at PoE+</a>
<a href="#">RJ45 Copper</a>	1	Aux + PoE Out	<a href="#">100BASE-T</a> , <a href="#">1000BASE-T</a>	<a href="#">802.3at PoE+</a>

## Physical Specification

Subtype

[Wireless Bridge](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

75 °C

Ingress Protection

[IP67](#)

MTBF

> 350000 h

Dimensions

64 × 134 × 260 mm

Weight

2 kg

Materials

[Aluminium](#)

Mounting

Cambium 4/8-Bolt Pattern

Compliance/Certifications

[CE](#)

,

[RCM](#)

,

[RoHS](#)

## Power Specifications

Max. Consumption

18 W

Typical Consumption

15 W

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