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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.

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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
5 GHz	4900 MHz	5925 MHz	2x2 MIMO	40 MHz	256QAM	300 Mb/s

RF Connections

RF Connector Function	Quantity	RF Interface
Wireless Link	2	N Female

Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	Data + PoE In	100BASE-T, 1000BASE-T	802.3at PoE+
RJ45 Copper	1	Aux + PoE Out	100BASE-T, 1000BASE-T	802.3at PoE+

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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