

# Cambium C050045C001B PMP 450i 5 GHz Subscriber, Connectorised, 300 Mbps

SKU: WIF-CB-00266  
MPN: C050045C001B

## Description

Cambium's 5 GHz PMP 450i subscriber provides high performance wireless data connectivity by connecting back to a PMP 450i Access Point. The C050045C001B unit has two N Female connectors for attachment of external antenna, allowing each unit to be paired with an appropriate antenna for its respective distance from the Access Point.

Coupling its 40 MHz channel width with a peak modulation scheme of 256QAM the PMP 450i can provide beyond 300 Mb/s L1 throughput (theoretically as high as 450 Mb/s). The 450i system touts a maximum range of 64 kilometers (subject to regulatory conditions).

PMP 450i 5 GHz is one of few industrial grade multipoint solutions. The system is the choice of major mining and telecommunications companies where performance cannot be compromised. The unit is IP67 rated for harsh operating environment and claims a mean-time-between-failure of over 40 years.

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The connectorised Subscriber Module (SM) is compatible with any 5 GHz dual polarised antenna, allowing it to be paired with high gain parabolic antennas for long range applications, or compact patch array antennas for short to medium range connectivity.



## 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 ...

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# Network Interfaces

## Wireless Interfaces

Topology:	Multipoint Terminal/Subscriber	Max. Clients:	1
Max. Throughput:	300 Mb/s	Latency:	5 ms
Encryption:	AES-128	Aggregate Channel Width:	40 MHz
Transmit Power:	28 dBm		

Wireless Bands	Path Mode	Start Frequency	Stop Frequency	MIMO	Channel Width	Modulation	Max. Data Rate
5 GHz	TDD	4900 MHz	5925 MHz	2x2 MIMO	40 MHz	256QAM	300 Mb/s

## RF Connections

RF Connector Function	Quantity	RF Interface	Notes
Wireless Link	2	N Female	1x Vertical Pol, 1x Horizontal Pol

## Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input	PoE Output
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	Dimensions:	64 × 134 × 264 mm
Min. Operating Temperature:	-40 °C	Weight:	2 kg
Max. Operating Temperature:	75 °C	Materials:	Aluminium Die Cast
Ingress Protection:	IP67	Mounting:	Cambium 4/8-Bolt Pattern
MTBF:	> 350000 h	Compliance/Certifications:	R-NZ , RCM

# Power Specifications

Max. Consumption:	18 W	Typical Consumption:	15 W
Power Options:	Power over Ethernet		

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