

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

## **Cambium C050067B006B PTP 670 Connectorised ODU (ROW)**

SKU  
WIF-CB-00058  
MPN  
C050067B006B

### **Description**

Cambium's PTP 670 is the company's flagship 5 GHz point-to-point microwave radio capable of providing data throughputs up to 450 Mb/s.

The Connectorised PTP 670 finds its place within Cambium's portfolio as the go-to unit for extreme long distance connectivity. Two N Female connectors provide connectivity to a range of 5 GHz high gain parabolic dish antennas up to 1.8 metres, to suit the required link distance. With HCMP the unit can be connected to a sector antenna to provide extremely high reliability multipoint connections for up to 8 remote nodes.

The unit can be set to use any channel size between 5 to 45 MHz within 4.9 to 6.05 GHz to achieve up to 452.2 Mb/s of L2 throughput using modulation up to 256QAM @ 0.81 CR with two spatial streams.

Dynamic Channel Selection (DCS) means the radio continually searches for the cleanest channels and moves band seamlessly, maximising performance and reliability.

With its Motorola legacy and metal ...

[Read More](#)

Telecommunications engineers call on PTP 670 when the job looks tough. Whether it's environmental extremes, ultra long range links, reflection and interference mitigation, PTP 670 is the best tool of its kind.

IEEE 1588v2 and Synchronous Ethernet (SyncE) provide for use in backhauling Private LTE networks.

[Read More](#)



**Cambium<sup>TM</sup>  
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 ...

# Network Interfaces

## Wireless Interfaces

### Topology

[Point-to-Multipoint \(P2MP\)](#), [Point-to-Point \(P2P\)](#)

### Max. Throughput

450 Mb/s

### Encryption

[AES-128](#)

### Max. Clients

8

### Latency

3 ms

### Aggregate Channel Width

45 MHz

### Transmit Power

27 dBm

### Receive Sensitivity

-96.8 dBm

Wireless Bands	Path Mode	Start Frequency	Stop Frequency	MIMO	Channel Width	Modulation	Max. Data Rate
<a href="#">5 GHz</a>	TDD	4900 MHz	6050 MHz	<a href="#">2x2 MIMO</a>	45 MHz	<a href="#">256QAM</a>	450 Mb/s

## RF Connections

### RF Connector Function Quantity RF Interface

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

## Ethernet Interfaces

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

76 °C

Ingress Protection

[IP67](#)

MTBF

> 350000 h

Dimensions

90 × 204 × 318 mm

Weight

3.1 kg

Materials

[Aluminium Die Cast](#)

Mounting

Cambium 4/8-Bolt Pattern

Compliance/Certifications

[R-NZ](#)

,

[RCM](#)

Power Specifications

Max. Consumption

30 W

Power Options

Power over Ethernet

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

