

# Cambium ePMP Force 300-19R 5 GHz Subscriber/PTP Radio, 600 Mbps

SKU: WIF-CB-00023  
MPN: C050900C913A

## Description

Cambium's ePMP Force 300 are a third generation multipoint subscriber radio designed as an economical solution for point-to-multipoint applications.

Combining the latest 802.11ac Wave 2 chipset and the field proven TDD MAC of ePMP, the Force 300-19R offers an affordable point to point product and a mid range subscriber module for the ePMP 3000 and ePMP 3000L Access Points.

The unit has an ingress protection rating of IP68, permitting reliable operation in harsh conditions.

Force 300-19R provides medium range connectivity with minimal points of failure with its 19 dBi all-integrated antenna. Supporting modulation up to 256QAM in 2x2 MIMO the subscriber is capable of peak throughput up to 600 Mb/s

Read More

Force 300 radios are designed to connect to ePMP 3000 series wireless access points. The subscriber's in-built 19 dBi antenna permits high data speeds within 1-2 kilometres and basic connectivity several kilometres further. Actual achieved data rates will of course depend on channel conditions and environment.

The unit is powered by proprietary Cambium 30 V PoE.



Network Inter



### Cambium Networks

Wireless **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 ...

Topology:	Multipoint Terminal/Subscriber, Point-to-Point (P2P)	Max. Clients:	1
Max. Throughput:	600 Mb/s	Latency:	5 ms
Encryption:	AES-128	Aggregate Channel Width:	80 MHz
Transmit Power:	28 dBm	Receive Sensitivity:	-89 dBm

Wireless Bands	Path Mode	Start Frequency	Stop Frequency	MIMO	Channel Width	Modulation	Max. Data Rate
5 GHz	TDD	4910 MHz	6080 MHz	2x2 MIMO	80 MHz	256QAM	600 Mb/s

#### Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	Data & PoE Input	100BASE-T, 1000BASE-T	Cambium 30 Vdc

#### Antenna Specifications

Start Frequency:	4910 MHz	Polarisation:	Dual Pol (V, H)
Stop Frequency:	6080 MHz	Input Impedance:	50

#### Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Azimuth	Elevation	XPD
4910 MHz	6080 MHz	19 dBi	14.5°	12.5°	> 15 dB

## Physical Specification

Subtype:	Wireless Bridge	Dimensions:	45 × 278 × 278 mm
Min. Operating Temperature:	-30 °C	Weight:	1.45 kg
Max. Operating Temperature:	60 °C	Materials:	Plastic
Ingress Protection:	IP68	Mounting:	Pole Clamp 25 to 41 mm
		Compliance/Certifications:	R-NZ , RCM

#### Power Specifications

Max. Consumption: 15 W

Typical Consumption: 12 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.

