

Page



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Cambium ePMP Force 300-16 5 GHz Subscriber, 600 Mbps

SKU
WIF-CB-00046
MPN
C050910C811A

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 300-16 offers an affordable point to point product and a mid range subscriber module for the ePMP 3000 and ePMP 3000L Access Points.

Force 300-16 continues the tradition of previous products with a 16 dBi integrated antenna with a narrow beamwidth and reliable mechanics. 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 16 dBi antenna permits high data speeds within a kilometre and basic connectivity several kilometres further. Actual achieved data rates will of course depend on channel conditions and environment.





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

[Multipoint Terminal/Subscriber](#)

Max. Throughput

600 Mb/s

Encryption

[AES-128](#)

Max. Clients

1

Latency

5 ms

Aggregate Channel Width

80 MHz

Transmit Power

29 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	60 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

Stop Frequency

6080 MHz

Polarisation

[Dual Pol \(V, H\)](#)

Input Impedance

50 Ω

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Azimuth	Elevation	XPB
4910 MHz	6080 MHz	16 dBi	15°	30°	> 15 dB

Polar Patterns

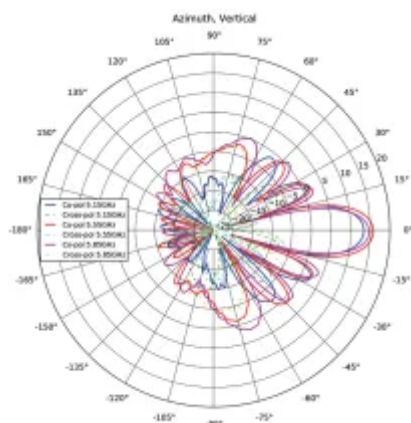
Start Frequency

5150 MHz

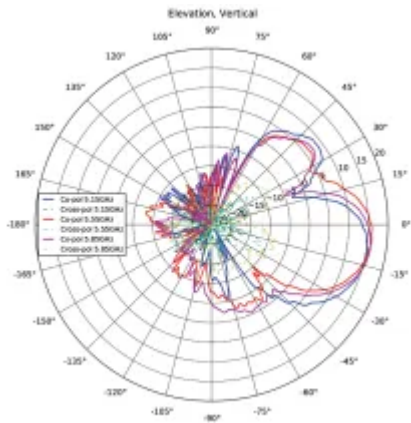
Stop Frequency

5850 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype

Wireless Bridge

Min. Operating Temperature

-30 °C

Max. Operating Temperature

60 °C

Ingress Protection

IP55

Dimensions

119 × 251 × 124 mm

Weight

0.5 kg

Mounting

Pole Clamp 25 to 41 mm ø

Compliance/Certifications

R-NZ

'

RCM

Power Specifications

Max. Consumption

15 W

Power Options

Power over Ethernet

Typical Consumption

12 W

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