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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. Clients:	1
Max. Throughput:	600 Mb/s	Latency:	5 ms
Encryption:	AES-128	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	Polarisation:	Dual Pol (V, H)
Stop Frequency:	6080 MHz	Input Impedance:	50 Ω

Frequency Test Data

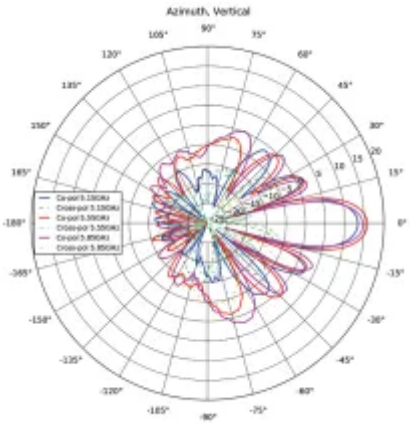
Start Freq.	Stop Freq.	Peak Gain	Azimuth	Elevation	XPD
4910 MHz	6080 MHz	16 dBi	15°	30°	> 15 dB

Polar Patterns

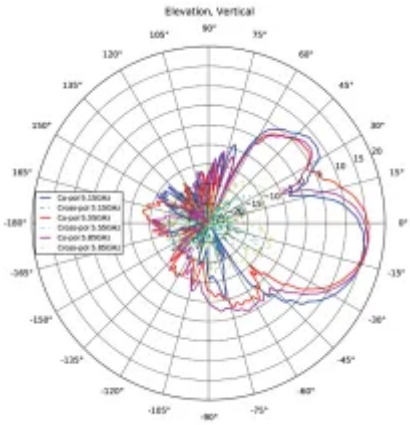
Start Frequency: 5150 MHz

Stop Frequency: 5850 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype:	Wireless Bridge	Dimensions:	119 × 251 × 124 mm
Min. Operating Temperature:	-30 °C	Weight:	0.5 kg
Max. Operating Temperature:	60 °C	Mounting:	Pole Clamp 25 to 41 mm
Ingress Protection:	IP55	Compliance/Certifications:	R-NZ , RCM

Power Specifications

Max. Consumption:	15 W	Typical Consumption:	12 W
Power Options:	Power over Ethernet		

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