Item no.: 332412

C050900C802A - Cambium ePMP Force 300-19 SM 5 GHz EU, EU Cord

from **221,49 EUR**

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shipping weight: 1.50 kg
Manufacturer: Cambium Networks

📄 Product Description

Cambium ePMP Force 300-19 SM 5 GHz EU, EU Cord

The Cambium C050900C802A provides enterprises around the globe the ability to deliver reliable connectivity in overcrowded RF environment. As spectrum increasingly becomes a scarce commodity, finding the right broadband connectivity solution is vital for all low and high density types of deployments.

Combining the latest 802.11ac Wave 2 technology and the field proven scalable performance of ePMP, the Force 300-19 delivers up to 600 Mbps of capacity. The Force 300-19 is a powerful yet affordable subscriber module compatible with the ePMP3000 Access Point and using the forward compatibility features also interoperates with the ePMP 2000 to ease the migration into the 802.11ac Wave 2 technology. The Force 300-19 has a 19 dBi integrated antenna with a narrow beamwidth and reliable IP67 mechanics.

Key Features

- Designed to operate in high interference environments
- Provides superior throughput of over 600 Mbps of real user data
- Supports channel sizes from 20MHz up to 80MHz and modulations up to 256QAM
- Supports real time spectrum monitoring without degradation in throughput
- Robust adaptivity to both symmetrical and asymmetrical traffic
- High performance and round-trip latency as low as 3 – 5 ms
- QoS management
- VoIP, video and data and provides three levels of traffic priority
- Integrated 19 dBi panel antenna provid

Spectrum

- Channel Spacing: Configurable in 5 MHz increments
- Frequency Range: Wide Band Operation 4910 - 5970 MHz (Note: Allowable frequencies and bands are dictated by individual country regulations.)
- Channel Width: 20 / 40 / 80

Interface

- MAC (Media Access Control) Layer: Cambium
- Proprietary Physical Layer: 802.11ac Wave 2 (2x2 MIMO/OFDM)
- Ethernet Interface: 10/100/1000 BaseT, Compatible with Cambium PoE & Standard PoE pinouts
- Protocols Used: IPv4/IPv6 (Dual Stack), UDP, TCP, ICMP, SNMPv2c, NTP, STP, IGMP, SSH
- Network Management: IPv4/IPv6, HTTPs, SNMPv2c, SSH, Cambium Networks CnMaestro
- VLAN: 802.1Q with 802.1p priority

Performance

- ARQ: Yes
- Nominal Receive Sensitivity (w/FEC) (at)20 MHz Channel: MCS0 = -89 dBm to MCS8 (256QAM-3/4) = -68 dBm (per chain)
- Nominal Receive Sensitivity (w/FEC) (at)40 MHz Channel: MCS0 = -87 dBm to MCS9 (256QAM-5/6) = -66 dBm (per chain)
- Nominal Receive Sensitivity (w/FEC) (at)80 MHz Channel: MCS0 = -84 dBm to MCS9 (256QAM-5/6) = -61 dBm (per chain)
- Modulation Levels (Adaptive): MCS0(BPSK) to MCS9 (256 QAM-5/6)
- Transmit Power Range: 0 to +28 dBm (combined up to the regioanl EIRP limit) (1 dB interval)

Physical

- Surge Suppression: 1 Joule Integrated (C000000L065A - 30V igabit surge suppressor is recommended for optimum protection
- Environmental: IP55
- Temperature: -30 °C to +60 °C
- Weight: 1.45 kg (includes mounting bracket)
- Wind Survival: 180 km/hour (112 mi/hour)
- Dimensions (Dia x Depth): 27.8 cm x 27.8 cm x 4.5 cm without mounting bracket; 5.7 cm with larger clamp
- Power Consumption: 12 Watts
- Input Voltage: Passive POE (30 VDC Nominal); 14-30 VDC range

Security

1. Encryption: 128-bit AES (CCMP mode)

Certifications

- FCCID: Z8H89FT0048
- Industry Canada Cert: 109W-0048
- CE: EN 301 893 V2.1.1 (5.4 GHz), EN 302 502 V2.1.1 (5.8 GHz)

5 GHZ Antenna Specifications

- Frequency Range: 4.9 - 5.970 MHz
- Antenna Type: Panel
- Peak Gain: 19 dBi
- 3dB Beamwidth-Azimuth: 14.5 degrees
- 3dB Beamwidth-Elevation: 12.5 degrees

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability