Item no.: 332408

C050900C073A - ePMP FORCE 180 INTEGRATED RADIO 2x2 MIMO/OFDM 10/100/1000 Ethernet

from **170,31 EUR**

Item no.: 332408
shipping weight: 1.20 kg
Manufacturer: Cambium Networks

📄 Product Description

ePMP FORCE 180 INTEGRATED RADIO 2x2 MIMO/OFDM 10/100/1000 Ethernet

The ePMP Force 180 is the second generation of ePMP Integrated Radio Modules. It has the exceptional reliability and quality that users have come to expect from the ePMP product line and adds some significant performance enhancements.

This radio comes in a small, sleek form factor but delivers high performance. The antenna gain is increased by 3 dB to 16 dBi which will provide a 40 % increase in range. It comes equipped with a Gigabit Ethernet port so that nothing will limit this product in delivering the maximum throughput. The radio module is powered by PoE and the Ethernet port has the unique capability of being powered from a PoE injector that conforms to standard pinouts or from a PoE injector that conforms to Cambium pinouts. This makes it possible to upgrade existing radio locations to the Force 180 without changing the PoE injector. It also includes an adjustable mounting bracket that eases the task of installing and properly aligning the radio.

All the unique advantages of ePMP software such as eFortify and eCommand are available with the Force 180. eFortify

enhances the performance of the ePMP 1000 in high noise environments. eCommand provides a suite of management features and tools to assist network operators in planning, provisioning and monitoring of their network. The ePMP Force 180 Integrated Radio is a compact and powerful platform that can operate as an Access Point, Subscriber Module or PTP radio.

FEATURES

- The Cambium Networks ePMP Force 180 delivers more than 200 Mbps of real user throughput. Using 2x2 MIMOOFDM technologies, ePMP deployments achieve industry leading data rates.
- The ePMP Force 180 Integrated Radio can be configured as a Subscriber Module, an unsynchronized Access Point or a Backhaul radio. This radio will function as a client to an ePMP GPS Synchronized Radio in either a Point-to-Multipoint (PMP) or Point-to-Point (PTP) deployment forming a GPS Synchronized solution.

SPECTRUM

- Channel Spacing: Configurable on 5 MHz increments
- Frequency Range: 5 GHz: 4910 – 5970 MHz (exact frequencies as allowed by local regulations)
- Channel Width: 5 | 10 | 20 | 40 MHz

INTERFACE

- MAC (Media Access Control) Layer: Cambium Proprietary
- Physical Layer: 2x2 MIMO/OFDM
- Ethernet Interfaced: 10/100/1000BaseT, Compatible with Cambium PoE pinouts (V+ = 7 & 8, Return = 4 & 5) and Standard PoE pinouts (V+ = 4 & 5, Return = 7 & 8)
- Protocols Used: IPv4, UDP, TCP, IP, ICMP, SNMPv2c, HTTPs, STP, SSH, IGMP Snooping
- Network Management: HTTPs, SNMPv2c, SSH
- VLAN: 802.1Q with 802.1p priority

PHYSICAL

- Antenna Connection: Integrated Antenna
- Surge Suppression:2 Joule Integrated
- Environmental: IP55
- Temperature: -30 °C to +60 °C
- Weight: 0.50 kg (includes mounting bracket)
- Wind Survival: 145 km/hour with antenna
- Dimensions (h x w x d): 12.4 cm x 25.1 cm x 11.9 cm – with mounting bracket attached
- Pole Diameter Range: 2.5 – 4.1 cm with included clamp ; up to 5.7 cm with larger clamp
- Power Consumption: 10 W Maximum, 5 W Typical
- Input Voltage: 10 to 30 V

PARAMETER

- Frequency Range: 4910 – 5970 MHz
- Antenna Type: Integrated
- Typical Gain: 16 dBi
- 3db Beamwidth-Azimuth: 15°
- 3db Beamwidth-Elevation: 30°
- Polarization(s): Dual Linear, H/ V
- Front-to-Back Isolation: >20 dB
- Cross Polarization: 15 dB

🖹 Specifications

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