

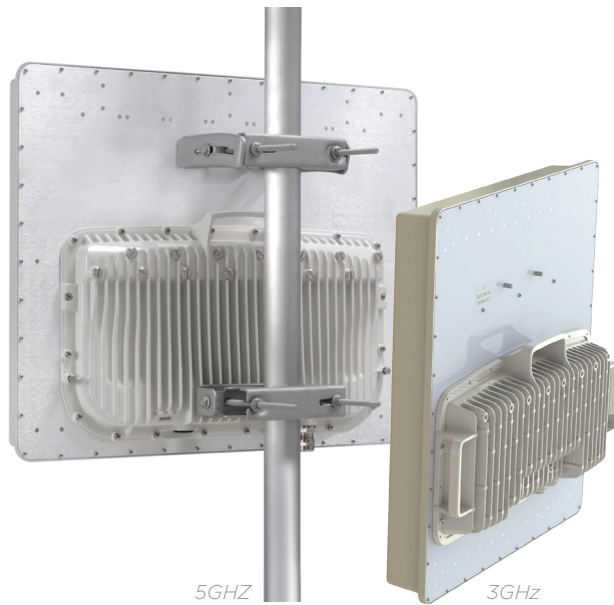


cnMedusa™

MASSIVE **MULTI-USER**
MIMO CONNECTIVITY

PMP 450m





cnMedusa

MASSIVE MULTI-USER MIMO CONNECTIVITY

Demand for connectivity is at an all-time high and growing. Availability of services. cnMedusa is a first-of-its-kind technology in a fixed wireless (Multiple-Input, Multiple-Output) technology in a commercially available, ground-breaking spectral efficiency in a highly integrated package, which

The PMP 450m Access Point (AP) with cnMedusa Massive MU-MIMO enables internet connections to significantly more people, places, and things. industry.

FEATURES

Massive MU-MIMO – Combining Beamforming and multiple RF chains yields more than 3x throughput, (vs. PMP 450), to over 1.2 Gbps by changing only the AP hardware.

Integrated 90° sector antenna array - Leading edge antenna innovation brings Smart Beamforming to the 450 platform, ZERO RF cables to connect or weatherproof.

Multiple RF chains – Allows simultaneous communication to up to seven SMs in 5GHz (14x14 MIMO) and four SMs in 3GHz (8x8 MIMO).

Compatible with existing SM – Protect your investment and realize capacity upgrade without any field dispatches to subscriber sites.

Frequency Re-Use – Using the same channel plan, capacity enhancements are attained without any network changes, but resulting in vastly increased spectral efficiency.

Multiple I/O options – AUX port (second Ethernet port) with multiple functions allows for greater flexibility of deployment. A SFP port is also available for optical connection.

Wideband radio – Two models to allow operation in all 5GHz and 3GHz unlicensed bands.

ONE SIMPLE AP DEVICE TO INSURE

THE INDUSTRY-LEADING PMP 450 PLATFORM

The PMP 450 platform provides Point-to-Point (PTP) and Point-to-Multipoint (PMP) high-performance, cost-effective wireless broadband connectivity for critical networks. Built on the Cambium Networks reputation for quality and reliability established in more than 10,000 networks in 150 countries, the system has a proven Mean Time Between Failure (MTBF) of more than 40 years.

Extreme Scalability – A single PMP 450m AP can support more than 200 subscribers, and many AP modules can be deployed in a tower location to maximize throughput.

OFDM Massive-MIMO – Future-proof your platform investment by using the PMP 450m to increase system capacity 3x or more by using unleashing cnMedusa technology.

High Performance – Minimize self-interference and maintain consistent low latency to provide reliable connectivity for sensitive voice and video applications.

of spectrum is throttling networks as users demand higher bandwidth
s broadband access platform that provides Massive Multi-User MIMO
able cost-effective solution. Massive MU-MIMO technology delivers
ile being managed from a single pane of glass in the Cloud.

IO technology enables network operators to rapidly provide faster
cnMedusa will absolutely change the commercial wireless broadband

INSTALL CHANGES EVERYTHING

GPS Synchronization – Maximize spectral efficiency and frequency re-use across the entire network to get the most total throughput in the minimum of total spectrum used.

Planning and Management

LINKPlanner Network Design

- Utilize LINKPlanner to model an existing sector, then swap the 450 or 450i AP for a 450m, and accurately predict the capacity enhancement to expect before investing any money in equipment or resources
- Design PTP backhaul and PMP distribution networks quickly and accurately model connectivity solutions
- Verify path performance
- Identify specific equipment at each location to speed ordering and installation

cnMaestro™ Single Pane of Glass Network Management

- Bird's eye view of Field Area Network
- End-to-end performance and fault management
- Rapid on-boarding and provisioning of new nodes
- Ease of management and reporting
- Centralized firmware/software auditing and management



ABOUT CAMBIUM NETWORKS

Cambium Networks is a leading global provider of wireless connectivity solutions that strengthen connections between people, places and things. Specializing in providing an end-to-end wireless fabric of reliable, scalable, secure, cloud-managed platforms that perform under demanding conditions, Cambium Networks empowers service providers and enterprise, industrial and government network operators to build intelligent edge connectivity. Cambium Networks' commitment to continuous innovation and social responsibility in wireless access is demonstrated in the millions of radios deployed in thousands of networks that benefit communities around the world. Headquartered outside Chicago and with R&D centers in the U.S., U.K. and India, Cambium Networks sells through a range of trusted global distributors.

www.cambiumnetworks.com

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