

# Point-to-Multipoint Solutions

## CONNECT YOUR WORLD

Whatever your world looks like, you need high-speed voice, data, and video communications serving multiple people in multiple locations. Cambium point-to-multipoint (PMP) and ePMP™ wireless broadband access network solutions deliver anywhere, anytime access.



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# Cambium Access Network Technology

Cambium's access network solutions enable you to design and build networks your way. Our complete technology portfolio enables you to choose licensed or unlicensed spectrum in Line of Sight (LOS) and Near Line of Sight (nLOS) environments, with specialized accessories to connect hard-to-reach locations. Regardless of the product selected, you can be confident that all Cambium solutions include the consistently outstanding performance that yields high customer satisfaction and low total cost of ownership.

**Scalability** – With GPS Synchronization, Cambium solutions offer advanced scalability that allows you to quickly accommodate changing needs, wider geographical areas, larger populations, and higher traffic volumes as the network grows. In addition, our networks' high tolerance for interference ensures that adding more transmitters increases capacity without degradation of performance.

**Spectral Efficiency** – Spectrum is scarce, and you need to get the best performance out of this limited resource. Our synchronization enables frequencies to be re-used across the network at different tower locations, providing for the greatest total throughput in the smallest amount of spectrum used.

**Trusted Security** - PMP and ePMP wireless access networks provide multiple layers of encryption that ensure information is protected throughout the system. They also provide advanced authentication solutions, helping you safeguard information by restricting access to your data.

**Planning and Management** – LINKPlanner software helps design the network by modeling access network performance before installation. Management software provides map-based visualization and tools for configuration, provisioning, and alarm reporting to maximize performance.

Choose from our comprehensive portfolio of solutions to design the network you need.

# Cambium Solutions

## ePMP 1000

Frequency Range\*: 2.4 GHz, 5 GHz

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Subscriber per sector: Up to 120

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Channel Width: 5, 10, 20 and 40 MHz

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GPS Synchronization via Internal GPS, CMM3, or CMM4

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## PMP 450

Frequency Range\*: 900 MHz, 2.4 GHz, 3.5 GHz, 3.65 GHz, 5 GHz

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Subscriber per sector: Up to 238

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Channel Width: 5, 7, 10 and 20 MHz

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GPS Synchronization via Internal GPS, UGPS, CMM3 or CMM4

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*\* ranges are limited by country regulations*



## Services & Applications

### DATA, VOICE, AND VIDEO—WHERE YOU NEED IT

High-speed technologies have dramatically and permanently changed the way we communicate. Constant connectivity to voice, video, and data is essential for living and working today. Our PMP and ePMP wireless access networks offer a broad range of connectivity solutions that help enhance productivity, improve security, and reduce operating costs.

**Rural Connectivity** - Wireless networks make broadband access to multiple locations extremely cost-effective. There are no major equipment or software investments needed to deliver scalable, interference-resistant, high-speed connectivity to multiple locations.

**Video Surveillance** - Wireless infrastructure enables rapid deployment of video security cameras to the exact location where they are needed. Low latency means that the images will be consistently sharp.

**Business Connectivity** - Reach remote locations or connect a business or educational campus for high-speed information sharing of data, voice, and video services.

## Wireless Access: An Attractive Business Case

Our wireless access solutions enable your organization to deploy and extend high-speed communications faster and much more cost-effectively than fiber or wired solutions. Our networks significantly reduce the cost of deployment and speed the time to market, allowing for installation in a matter of days or weeks, as opposed to months or years, for wired solutions. The platform's exceptionally low acquisition, installation, operation, and maintenance costs result in substantially lower total cost of ownership, as well as delivery of ROI in months.

Cambium Networks is a leading global provider of wireless broadband solutions that connect the unconnected. Cambium Networks makes it possible for all service providers, enterprises, governmental and military agencies, oil, gas and utility companies, Internet service providers, and public safety networks to build powerful, easily sustainable communications networks. The company currently has over five million of its access and backhaul radios deployed in thousands of demanding networks in more than 150 countries. Headquartered outside Chicago and with R&D centers in the U.S., Ashburton, U.K. and Bangalore, India, Cambium Networks sells through a range of trusted global distributors.



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