



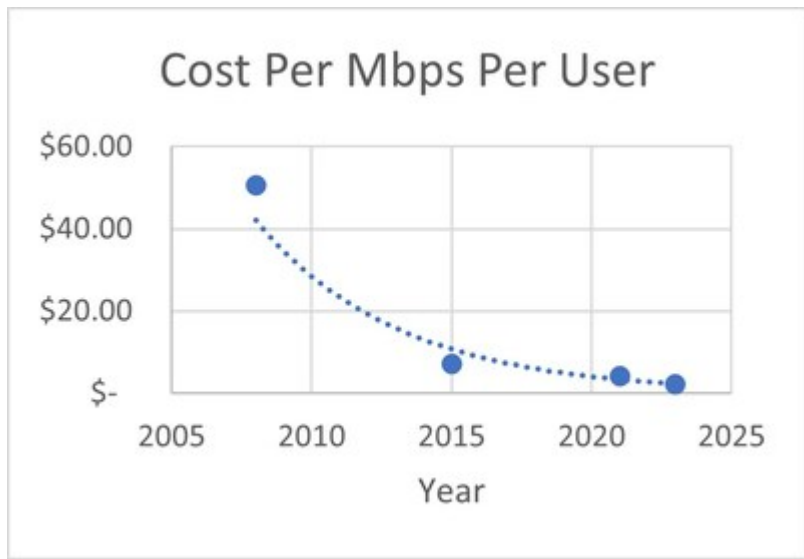
Cambium Networks

Cambium Networks Fixed Wireless Technology Enables ISPs to Offer Over 100 Mbps Service Without Replacing Equipment

March 6, 2023

PMP 450 software advancements increase sector throughput capacity by up to 30% and new Customer Premise Equipment (CPE) antenna options can extend range by more than 30%

ROLLING MEADOWS, Ill., March 6, 2023 /PRNewswire/ -- [Cambium Networks](#) (NASDAQ: CMBM), a leading global provider of networking solutions, today announced that [broadband service providers](#) currently operating Cambium Networks PMP 450 fixed wireless infrastructure can boost throughput speeds to their customers without replacing equipment. Demand for broadband continues to grow as more devices proliferate the home and business network. To keep up, service providers need to offer higher throughputs and lower latency services. The latest [PMP 450 Fixed Wireless Access \(FWA\)](#) software improvements from Cambium Networks make it easy for service providers to offer over 100 Mbps services using existing equipment to increase capacity and reduce network latency during peak periods. Also, new CPE antenna options can increase range by 30% or more to offer 100 Mbps services to customers who were previously out of reach.



"We have seen about a 50 Mbps downlink throughput increase on a loaded [3 GHz PMP 450m](#), with an overall decrease in latency during maximum utilization. Nice to see!" says Cody Anderson, Director of Network Operations, [InfoWest](#). Cody shares the details on throughput improvement and managing latency during peak usage in [this Cambium Community post](#).

With more than 2 million modules shipped, the PMP 450 system uses [cnMedusa™ MU-MIMO technology](#) and will support new CPE as well as existing ones from the same access point. This upgrade offers service providers a fast path to revenue by adding hardware only where it is needed for net new subscribers. With available options using the [CBRS spectrum](#), the system also qualifies for [NTIA Broadband Equity, Access and Deployment \(BEAD\)](#) funding.

"Cambium Networks works with Wireless Internet Service Providers (WISP) around the world to develop fixed wireless broadband solutions that deliver high performance and attractive revenue models," said Matt Mangriotis, Senior Director of Product Management at Cambium Networks. "With these recent improvements, service providers can maximize their investment in existing access points and subscriber modules by boosting performance with a software upgrade."

Working with service provider operators and the [Wireless ISP Association \(WISPA\)](#) over the last decade, Cambium Networks has reduced the cost per Mbps delivered per user by 96% from \$50.62 per user in 2008 to \$2.24 per user with these latest improvements.

The upgrade path comprises:

- A 10-25% capacity improvement from adding multiple groups per frame (MGPF) software in System Release 22. Gains vary based on sector load, SM count and heavy traffic with the highest gains coming in densely populated sectors during the busiest times.
- A 5-10% capacity increase from adding downlink slot optimization software in System Release 22.1.
- A 30%+ increase in range with an optional larger dish antenna

For more information

- Plan to attend the **30-30-30 Performance Boost with PMP 450** webinar on Wednesday, March 15 at 10:00 am US Central time. [Register here.](#)
- Visit with Cambium Networks management and development engineers at [WISPAMERICA](#) booth #107 on March 6-9, 2023 in Louisville, KY.
- Get the details on [Demystifying the BEAD Program for WISPs.](#)

About Cambium Networks

[Cambium Networks](#) delivers wireless communications that work for businesses, communities, and cities worldwide. Millions of our radios are deployed to connect people, places and things with a unified wireless fabric that spans multiple standards and frequencies of fixed wireless and Wi-Fi, all managed centrally via the cloud. Our multi-gigabit wireless fabric offers a compelling value proposition over traditional fiber and alternative wireless solutions. We work with our Cambium certified ConnectedPartners to deliver purpose-built networks for service provider, enterprise, industrial, and government connectivity solutions in urban, suburban, and rural environments, with wireless that just works.

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