



MISSION CRITICAL RELIABILITY COMES IN OUT OF THE RAIN

IT ALSO COMES OUT OF THE SLEET AND THE SUBZERO TEMPERATURES. Now you can reduce the need for expensive, dangerous tower climbs in blinding snowstorms or 100-degree heat waves. Now you can also add powerful capabilities for communicating over longer distances.

Point-to-Point (PTP) wireless networks are proving themselves in public safety environments — as well as in utility, railroad, service provider and other commercial applications — every hour of every day. At Cambium Networks, we're bringing the high performance and robust capabilities of our Point-to-Point solutions indoors... with our PTP 800i All-Indoor solution.

SOLVING LONG DISTANCE CHALLENGES

With our PTP 800i All-Indoor solution, we're taking our technology and expertise in PTP public safety, military and commercial networking completely inside. The PTP 800i's high transmit power makes it an ideal solution for delivering communications across long distances. In addition, you can install, maintain and troubleshoot your system faster, simpler and more affordably by reducing the need to work outside in all kinds of weather.

THE FIRST AVAILABLE

Our PTP 800i All-Indoor solution is the first commercially available system that delivers high performance broadband communications capabilities in a compact, rack-mountable indoor solution. The PTP 800i is also the first totally indoor solution to offer adaptive coding and modulation (ACM) with adaptive transmit power capabilities that maximize performance and reliability. In addition, since the active electronics are housed indoors, expensive and labor-

intensive outdoor maintenance by certified tower climbers following installation is greatly reduced or eliminated.

A BREADTH OF APPLICATIONS

The PTP 800i All-Indoor solution meets the nearly ubiquitous need for reliable long distance wireless communications found in public safety, utility, transportation and carrier markets. By installing our indoor solution along its track right-of-ways, railroads can create their own private high-speed networks that deliver sensor, switch and other critical data across the enterprise. Utilities can use the PTP 800i All-Indoor solution to monitor, capture and transmit data to and from remote substations and other facilities. Public safety networks transmit information from a variety of resources — from video surveillance cameras to criminal database information to officer down calls — to the command center or other units at high speed and with complete reliability. The PTP 800i All-Indoor is also the only indoor solution that offers seamless integration with P25 land mobile radio systems.

Bottom line, with the Cambium PTP 800i All-Indoor solution, you'll be able to reduce your overall OPEX by about 30% over traditional network solutions. At the same time you'll be making your network faster, more powerful, more reliable and easier to install, upgrade, maintain and troubleshoot.

ABOUT CAMBIUM NETWORKS

Cambium Networks, formerly part of Motorola Solutions, is an independent company providing world-class wireless broadband and microwave solutions for military, government, municipal and enterprise customers around the world. Cambium Networks currently has more than 3.5 million products deployed and provides reliable, secure, cost-effective connectivity in thousands of networks in over 150 countries.



PTP PERFORMANCE CAN BE MORE POWERFUL INSIDE THAN OUT

You're running a mission critical public safety network. You're in charge of long-distance communications over vast military test ranges. You're managing a wide-ranging network of smart grid installations. They're responsibilities that are all difficult enough without having to worry about equipment installation and maintenance under extreme weather conditions. The Cambium PTP 800i All-Indoor solution enables you to install, monitor and troubleshoot your networks under safer, more efficient working conditions. Equally important, our all-indoor solution lets you transmit at higher power rates, substantially increasing your communications range.

What makes it so effective?

HIGH PERFORMANCE. Our PTP 800i All-Indoor solution provides exceptionally high performance with transmit power up to 34 dBm and capacity up to 236 Mbps. It also offers low sensitivity and high system gain for superior interference mitigation.

FREQUENCY SUPPORT. The PTP 800i All-Indoor solution offers a choice of frequencies. The 6 GHz PTP 800i supports the FCC and Industry Canada (IC) L6 and U6 bands. The FCC 7 GHz band is also supported. Additionally, the PTP 800i is available in the FCC/IC 11 GHz frequency band.

SPECTRUM FLEXIBILITY. The system supports 10, 25, 30 and 40 MHz channel plans. It also supports paired and unpaired frequency plans.

HIGH-LEVEL SECURITY. In terms of security, the PTP 800i All-Indoor solution provides for robust, multi-level security with a proprietary air interface and FIPS-197 to protect over-the-air transmissions as well as options for 128/256-bit AES encryption and HTTPS/TLS and SNMP v3.

REMOTE AUTHENTICATION. The PTP 800i All-Indoor solution supports RADIUS, providing remote authentication of users and access levels.

EVENT MANAGEMENT. The PTP 800i All-Indoor solution offers effective event management with IPv6/IPv4 dual-stack management support, vulnerability scanning and resolution, and save-and-restore features for disaster recovery.

SPACIAL DIVERSITY. The PMP 800i All-Indoor solution can support two spatially diverse antennas, which can substantially improve performance over both long distances and water.

ADAPTIVE CODING AND MODULATION (ACM). By adapting the modulation and coding rate to match the variations in the radio channel, the PTP 800i All-Indoor solution can be configured to provide substantially higher capacity than traditional fixed coding and modulation schemes while still maintaining the same system availability.

1+1 HOT STANDBY. For mission critical links, the PTP 800i All-Indoor solution can be deployed in a 1+1 hot standby arrangement where the system continues to operate even in the event of a hardware failure.

To get the inside information on how the Cambium PTP 800i All-Indoor solution helps you improve communications over long distances, reduce capital expenditures and increase management efficiency, visit us at cambiumnetworks.com.

