ABOUT CAMBIUM NETWORKS

Cambium Networks is a leading global wireless communications technology provider that connects the unconnected with an extensive portfolio of reliable, scalable, and secure narrowband, WiFi, and broadband point-to-point (PTP) and point-to-multipoint (PMP) platforms managed by cloud-based software. Cambium Networks solutions enable enterprises; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks that surpass distance and geographic obstacles to reach users from across mountain tops to the last meter. Cambium Networks empowers network operators to intelligently manage their infrastructure through end-to-end network visibility and actionable analytics. 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. For more information,

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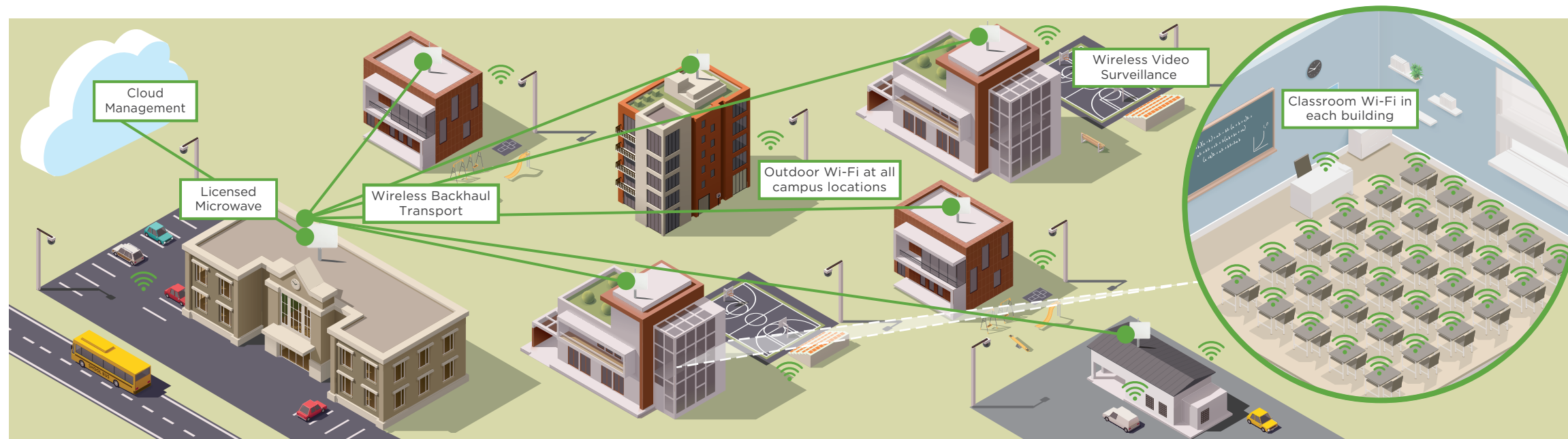
Cambium Networks™

Wireless Connectivity Solutions for Education

A NEW GENERATION SET UP FOR SUCCESS.

TODAY'S MULTIMEDIA EDUCATION ENVIRONMENT ENABLES STUDENTS TO REACH BEYOND THE CLASSROOM, and the entire school campus needs to be connected. At the elementary school level, students learn based on personalized lesson plans, and teachers and parents collaborate on line. Outside of the classroom, connectivity includes Wi-Fi for administrators and staff, video security, and gathering areas. For higher education, connecting the campus includes research labs, dormitories, and sports venues.

Leading education institutions are eliminating islands of connectivity, and providing complete coverage as they migrate to higher speeds offered by the 802.11ac standard. To increase network reliability and reduce operational costs, they are looking at leveraging one centrally managed communications network to provide end-to-end connectivity.

Cloud Management

Licensed Microwave

Wireless Backhaul Transport

Outdoor Wi-Fi at all campus locations

Wireless Video Surveillance

Classroom Wi-Fi in each building

Benefits

- **High Capacity –** Wi-Fi in a learning environment can ramp quickly to high capacity when classrooms of students simultaneously go online to stream content or videos. With a maximum capacity of 256 users, across 16 SSIDs and tests showing the ability to support a 100 concurrent video streams* *cn*Pilot™ 802.11ac Access points combine peak performance and affordable pricing.

- **Complete Coverage –** Reach all classroom, learning center, research lab, and outdoor areas with Wi-Fi coverage with 802.11ac coverage with the dual band *cn*Pilot E400 for indoor locations and the E500 for outdoor coverage.

- **Affordable –** Migrate to the higher performance of 802.11ac without the high cost of infrastructure or equipment management licensing. Reduce the subscription costs of low capacity leased lines with high-speed wireless broadband point-to-point links.

- **Reliable –** Learning stops when the network is down. Maximize system uptime with a centralized cloud-managed or private management system that monitors and manages the entire wireless network. Centrally manage the network across all schools in the district or the entire higher education campus and confirm system software in all devices and minimize downtime and disruptions.

- **Easy to install –** With *cn*Pilot "zero-touch" configuration, high-speed access points can be rapidly installed to equip an entire building in significantly less time and labor cost.

   * Real world performance varies by RF environmental conditions

"Young people demand the most from Wi-Fi, especially students. cnPilot provides them the streaming video and file transfer they need, while also pleasing the school finance team who wants an affordable solution with a low total cost of ownership."

-Chong Wen Loong, Senior Manager, ROOTS Communications

Proven Solutions in Education

- **Enterprise-class Wi-Fi Access Layer Networks**
  - Indoor Wi-Fi networks
  - Outdoor hotspot and Wi-Fi networks

- **cnMaestro™ Single Pane of Glass Management**
  - Bird's eye view of Field Area Network
  - Rapid on-boarding and provisioning of new nodes
  - End-to-end performance and fault management
  - Centralized firmware and software management

- **Wide-Area Point-to-Multipoint Wireless Access**
  - Licensed and Unlicensed Wide Area Networks

- **Long Range Point-to-Point Wireless Backhaul**
  - Licensed Microwave and Unlicensed Backhaul

The Cambium Difference

- **Scalability –** Connect up to thousands of individual locations with a synchronized network that enables RF frequencies to be re-used throughout the network to provide the highest level of connectivity in the least total amount of spectrum.

- **Reliability –** Deploy wireless broadband with confidence that it will work right the first time and continue to work 24/7 over the long haul.

- **Security –** cnPilot APs WPA2-Enterprise, Protected Management Frames as well as VLAN-separation and Access Control Lists.

- **Total Cost of Ownership –** Minimize the total cost of network ownership with one IP-based wireless network comprised of licensed and unlicensed backhaul and access components that can be rapidly deployed and perform reliably with minimum maintenance cost.

- **Sustainability –** Solutions designed to operate for years from a supplier with a proven track record of stability and sustainable product evolution.

- **Spectral Efficiency –** Provide the highest amount of information transfer in the least amount of scarce spectrum with industry award winning throughput.

Cambium Networks™