Cambium Networks

Cambium Solutions
Campus Area Networks

Easily Manage the Entire Network From a Single Pane of Glass

Campus Area Networks are typically comprised of a collection of Local Area Networks (LAN), interconnected by a Wide Area Network (WAN). With Wi-Fi and Fixed Wireless solutions from Cambium Networks, you can easily plan, deploy and centrally manage the entire wireless network—and deliver reliable connectivity while streamlining technical resources.

Coverage and capacity: A Wireless Fabric of Solutions

» Fixed wireless high capacity links (licensed and unlicensed)
» Multipoint wide area networks (WAN)
» Indoor and outdoor Wi-Fi local area networks (LAN)
» Centralized cloud management
» Planning and design software
» Industry leading warranty

Coverage and capacity: A Wireless Fabric of Solutions

» Capacity and coverage to support multiple, simultaneous high-z
» Expand fiber infrastructure in days to connect new facilities or close gaps
» Deploy redundant links in a matter of days
» Achieve gold-standard performance at a fraction of the cost and time of trenching fiber

Multi-gigabit wireless campus area networks to support end device access and "last mile" backhaul

Enterprise resellers and systems integrators can enhance their offerings to include:

» Building to building campus connections
» indoor Wi-Fi 6 access

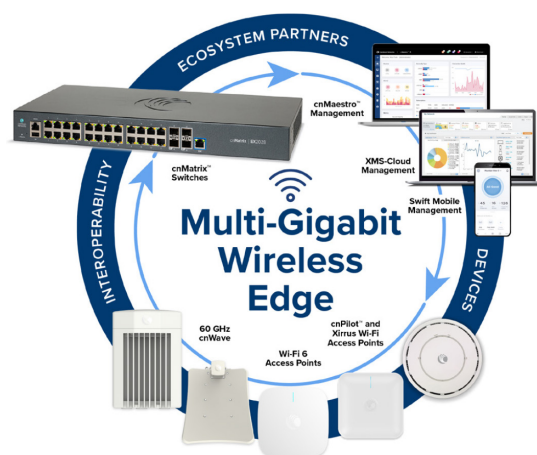DMX-2021-12

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WHEN YOU NEED TO TALK

Schools, enterprises and industrial operations need networks that provide outstanding coverage and capacity. Network users need reliable, secure connectivity, while network operators need a low total cost of ownership.

Multi-Gigabit
Wireless
Edge

Easy to use and enhance efficiency

» Rapidly extend an existing network across campus both indoor and outdoor

» No fixed wireless broadband expertise required. 60 GHz 802.11ay standard solutions are natural extension of existing Wi-Fi & switching practice. Connect buildings to each other or to an internet point of presence using unlicensed spectrum and without significant skill development for those already familiar with enterprise Wi-Fi

» High speed mmWave fixed wireless is as easy to deploy as outdoor Wi-Fi (no climbing towers)

» Single pane of glass, multi-tenant wireless infrastructure management (from Wi-Fi/edge switches to fiber PoP) if you are using Cambium Networks Wi-Fi 6 APs and cnMatrix switches

» Time and cost to deploy mmWave is a fraction of fiber while delivering comparable performance and reliability

» Planning tools enable high confidence deployments (expert design help is also available from Cambium)

» Increase capacity of existing outdoor Wi-Fi by offloading the point-to-point functionality to dedicated fixed wireless, freeing up at least one Wi-Fi radio/AP

Proof points:

» 60 GHz cnWave is low elevation fixed wireless -comparable to outdoor Wi-Fi: poles/street lights, sides of buildings and low roof tops

» Underlying technology is Wi-Fi based very familiar to Wi-Fi professionals

» Beam steering automates radio alignment simplifying deployment – not fixed wireless expertise required

» 60 GHz looks like a layer 2 bridge to the installer or network administrator. You can do layer 3 or IPV4 or IPV6

» This can used as point to point for longer single connections or point to multi-point –hub and spoke topology

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