cnMaestro™

Wireless service providers and enterprises need an easy to deploy management system that enables them to efficiently manage and grow their network. Cambium Networks cnMaestro management platform is tailor-made to simplify management of your Cambium network.

The cnMaestro platform is available in the cloud and is deployable on premises, built from the ground up for secure, end-to-end network lifecycle management, inventory management, onboarding devices, daily operations and maintenance. By offering full visibility across the entirety of a network, cnMaestro greatly simplifies management of all network devices.

Managing it all

With vast scalability, cnMaestro has a full set of features targeted to simplify management of Cambium Devices

- **Full Visibility Across the Network**
  - Single pane of glass to manage an entire network, including backhaul point-to-point (PTP) links, point-to-multipoint (PMP) access and WiFi
  - Dedicated dashboards for each device, with common and centralized upgrade and device configuration workflows to minimize the learning curve for network managers

- **Client End-to-End Wireless Troubleshooting**
  - One-click functionality reveals the entire chain of network nodes under management, related to the problem area, displaying the results of performance and latency tests, as well as sub-system level health checks on a single screen
  - Managers will see network elements on Google maps that may be causing issues and determine timely solution

- **WiFi Controller**
  - Deploy enterprise grade hotspots with built-in personalized branding capabilities
  - Use vouchers to provide authenticated access to wireless clients, with multiple tiers of service
  - Use Social login to provide wireless access and business analytics on wireless users

- **Frictionless Deployment**
  - Define device configurations in advance and have them automatically applied at the time of installation
  - Ensure large networks are kept up to date by easily managing software upgrades and configuration changes
• **Power of Secure Cloud**
  - Access cnMaestro quickly from wherever you are using secure HTTPS. No need for VPN connections
  - The cloud management system always has the latest updates and the latest device software is always at your fingertips
  - Easily scalable, no need for up-front hardware expense with cnMaestro cloud, no need to deal with the complexities of server management and deployment

• **Designed for Wireless**
  - Many ways to view your wireless network data including maps, tables and historical charts to quickly assess a single device or an entire group
  - Wireless parameters and statistics are automatically available enabling operators to focus on designing and growing their network, not their management system

### Detailed Features

cnMaestro is a full-featured network management system. The features will continue to be enhanced and extended over upcoming releases. The functionality in cnMaestro includes the following:

#### Hierarchical Dashboards
Visualize your devices from tower to edge with customized dashboards for each device type

#### Advanced Troubleshooting
Display tower-to-edge status in a single graphic, view WiFi client details and health, and troubleshoot client connectivity directly on the AP

#### Notifications
View immediate status with alarms, and troubleshoot customer issues by filtering on alarm history and reviewing events

#### Device Inventory
Access your devices at the system level, or by network, tower, or sector. Device data can be exported in PDF or CSV formats

#### Statistics and Trending
View historical radio and network statistics

#### Bulk Image Upgrade
Upgrade the software images in a sector or across sectors in a single job. Queue upgrade jobs during the day so they can be run in the evening, when the network is less utilized

#### GUI Wizard Configuration for cnPilot WiFi Devices
Simplified configuration management leveraging a GUI wizard to configure devices and automatically identify when devices have been changed locally
• **Template-Based Configuration**
  Push configuration to single devices or to groups of ePMP and PMP devices across your network using templates

• **Maps and Map Modes**
  Leverage Google Maps satellite view to position your devices and visualize their health and connectivity. Change the mode of the map to graphically display various wireless key performance indicators

• **Zero Touch Onboarding**
  Preconfigure supported Cambium devices so they will be automatically on-boarded when provided with network connectivity

• **PMP Zero-Touch SM Onboarding**
  If the AP has been on-boarded to *cnMaestro*, the SMs under that AP will automatically be available in *cnMaestro* to be claimed and on-boarded

• **Multiple Administrators**
  Invite colleagues by email to manage the devices in your organization’s *cnMaestro* account