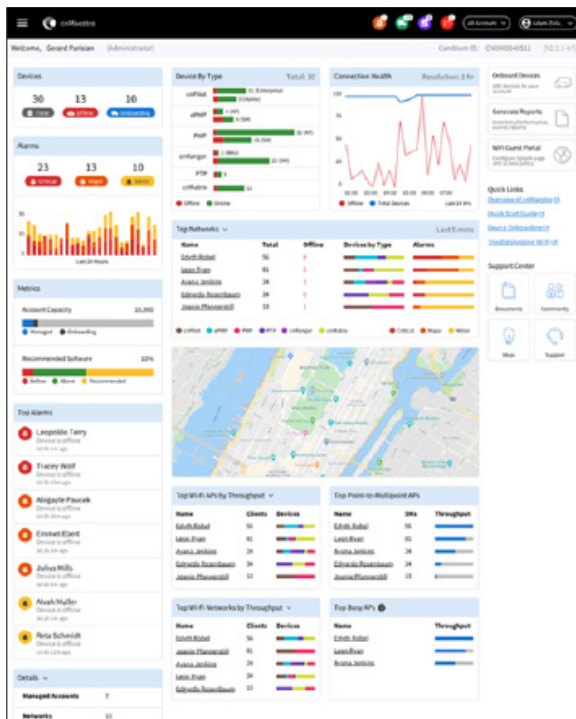
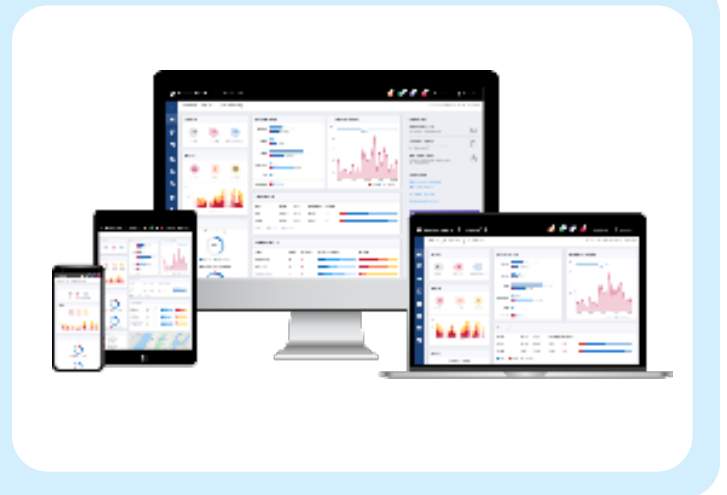


cnMaestro™ Management System

QUICK LOOK:

cnMaestro is a simple, yet sophisticated cloud-first, next-generation network management solution for Cambium Networks wireless and wired solutions. cnMaestro offers elastic scalability and single-pane-of-glass management to deliver secure, end-to-end network and wireless lifecycle management with zero-touch provisioning, monitoring and troubleshooting capabilities. It simplifies operations and ongoing maintenance.



Key Highlights

To serve growing market demand for advanced management and services functionality, Cambium Networks offers cnMaestro in two management tiers:

cnMaestro Essentials

Licensed, free version of cnMaestro delivers the same experience as previous versions of cnMaestro. This license-free option delivers a disruptive Total Cost of Ownership (TCO) for organizations of all sizes.

cnMaestro X

Paid subscription offer that includes advanced management capabilities, Cambium Care Pro for 24x7 technical support, accelerated access to L2 engineers and regular software updates and upgrades for advanced features.

This data sheet covers the highlights of the cnMaestro platform and cnMaestro Essentials features.

cnMaestro™ Management System

Product Overview

cnMaestro Essentials

- Comprehensive cloud and on-premises management for Cambium's wired and wireless portfolio is included with the hardware purchase with no subscription or recurring fees.
- Zero-touch provisioning: Create, provision, monitor and manage the entire network of wireless and wired devices from a single dashboard login with key performance metrics, alarms and alerts. The cloud-first UI design is easy to learn and apply across the portfolio and helps network administrators simplify operations and deliver an optimal client experience.
- With centralized visibility and control for Cambium Networks' wireless and wired products, network administrators can quickly and easily deploy networks with minimal training. Whether you work on small sites or large distributed networks with thousands of sites, cnMaestro makes deployment and operations easy. Administrators have access to information needed to enforce policies and optimize performance. Remote support capability is integrated into the architecture, along with powerful help desk tools to debug remote issues without going onsite. Troubleshooting tools such as ping, traceroute, throughput, and live packet captures are included, dramatically reducing resolution times and enabling.
- Deployment flexibility and TCO: Choice of public cloud, private cloud, or on-premises deployment with best TCO. cnMaestro helps reduce operating cost and accelerate return on investment. cnMaestro does not require Wi-Fi controllers, thereby reducing the complexity and cost of deploying Wi-Fi networks.
- Built for scale and security at all levels: Devices connect to cnMaestro cloud using SSL-enabling deployments without changes to the firewall configuration. Cambium Intelligent edge architecture enables fault-tolerant networks where the network continues to operate even when the cloud is unreachable due to a WAN outage. With cnMaestro Essentials, you can manage networks with up to thousands of sites, and up to 10,000 devices.
- Tailored views for Enterprise, Access and Backhaul, and IIoT: The Access and Backhaul view provide visualization and control of devices from tower to edge. This includes PTP and PMP devices.
- Supports network hierarchy, which enables easy configuration, monitoring and debugging at network nodes and reducing operational costs. This especially becomes critical for large networks or small distributed networks with small on-site IT staff.

- Provides a bird's-eye view of network health with insights on performance, connectivity and client experience. Administrators can quickly identify potential trouble spots and drill down from network to client-level details.
- Extensible platform for managing third-party endpoints but requires paid subscription. Subscription details are included with part numbers at the end of this data sheet.



cnMaestro X

cnMaestro X is a super set of cnMaestro Essentials and includes advanced features with Cambium Care Pro for 24x7 technical support. *Paid subscription required.*

- MSP dashboard: MSPs can differentiate their brand to address specific sub-markets in their service area. The multi-tier customization gives the MSP tenant cloud tools to create an additional layer of guest portal customization – all managed from the cloud. MSP views consolidate the MSP tenant statistics, while allowing the MSP to drill down and support a tenant directly without impacting data from other tenants or end users on the system. Support for up to 200 managed accounts.
- Restful APIs and Webhooks for integration with existing OSS/BSS systems and event monitoring.
- Long-term historical data: 2-year data retention for FWB and 1-year data retention for Enterprise and IIoT devices.
- Support for Software-Defined Radios (SDR) on XV3-8 Wi-Fi 6 Access Points (AP).
- Mesh support for cnWave.
- Support for 1024 enterprise Wi-Fi PSKs.
- Advanced captive portal capabilities: 500 portals, 10,000 sessions, 1-month client login history.
- Monitor Wi-Fi performance from client or AP to cnMaestro X.

cnMaestro™ Management System

cnMaestro X Part Numbers

cnMaestro X is available as a 1/3/5-year subscription service. The following pricing tiers are available for cnMaestro X for managing Cambium Networks devices.

- Tier 0:** cnPilot Wi-Fi APs and cnMatrix switches
- Tier 1:** FWB subscriber modules
- Tier 2:** FWB AP, PTP & IIOT
- Tier 3:** Enterprise Wi-Fi 6 and Xirrus Access Points
- Tier 4:** cnWave Client Node with Mesh Enabled
- Tier 5:** cnWave Distribution Node with Mesh Enabled

Starting with version 3.0, cnMaestro will also have the capability to manage third-party endpoints. At launch, cnMaestro will be able to manage Machfu endpoints.

Machfu is a leader in Industrial IoT solutions. Subscription is required for cnMaestro Essentials and cnMaestro X.

Tier 100: Advanced management of Machfu endpoints
<https://www.machfu.com/>

cnMaestro Ordering information

Part Number	Tier	Description
MSX-SUB-T1-1	T1	cnMaestro X for FWB: Includes SMs. Advanced management and includes CC Pro for Tier 1; 1-year subscription / Tier 1 device; Tier 1 devices include FWB SM
MSX-SUB-T1-3	T1	cnMaestro X for FWB: Includes SMs. Advanced management and includes CC Pro for Tier 1; 3-year subscription / Tier 1 device; Tier 1 devices include FWB SM
MSX-SUB-T1-5	T1	cnMaestro X for FWB: Includes SMs. Advanced management and includes CC Pro for Tier 1; 5-year subscription / Tier 1 device; Tier 1 devices include FWB SM
MSX-SUB-T2-1	T2	cnMaestro X for FWB: Includes FWB AP, PTP and IIoT. Advanced management and includes CC Pro for Tier 2; 1-year subscription / Tier 2 device
MSX-SUB-T2-3	T2	cnMaestro X for FWB: Includes FWB AP, PTP and IIoT. Advanced management and includes CC Pro for Tier 2; 3-year subscription / Tier 2 device
MSX-SUB-T2-5	T2	cnMaestro X for FWB: Includes FWB AP, PTP and IIoT. Advanced management and includes CC Pro for Tier 2; 5-year subscription / Tier 2 device; Tier 2 devices include FWB AP, PTP and IIoT
MSX-SUB-T3-1	T3	cnMaestro X for Enterprise: Includes Enterprise APs. Advanced management and includes CC Pro for Tier 3; 1-year subscription / Tier 3 device
MSX-SUB-T3-3	T3	cnMaestro X for Enterprise: Includes Enterprise APs. Advanced management and includes CC Pro for Tier 3; 1-year subscription / Tier 3 device
MSX-SUB-T3-5	T3	cnMaestro X for Enterprise: Includes Enterprise APs. Advanced management and includes CC Pro for Tier 3; 5-year subscription / Tier 3 device
MSX-SUB-T4-1	T4	cnMaestro X for cnWave: Includes Client Nodes. Advanced management with Mesh enabled and includes CC Pro for Tier 4; 1-year subscription / Tier 4 device
MSX-SUB-T4-3	T4	cnMaestro X for cnWave: Includes Client Nodes. Advanced management with Mesh enabled and includes CC Pro for Tier 4; 3-year subscription / Tier 4 device
MSX-SUB-T4-5	T4	cnMaestro X for cnWave: Includes Client Nodes. Advanced management with Mesh enabled and includes CC Pro for Tier 4; 5-year subscription / Tier 4 device

cnMaestro™ Management System

cnMaestro Ordering information

Part Number	Tier	Description
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MSX-SUB-T5-1	T5	cnMaestro X for cnWave: Includes Distribution Nodes. Advanced management with Mesh enabled and includes CC Pro for Tier 5; 1-year subscription / Tier 5 device
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MSX-SUB-T5-3	T5	cnMaestro X for cnWave: Includes Distribution Nodes. Advanced management with Mesh enabled and includes CC Pro for Tier 5; 3-year subscription / Tier 5 device
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MSX-SUB-T5-5	T5	cnMaestro X for cnWave: Includes Distribution Nodes. Advanced management with Mesh enabled and includes CC Pro for Tier 5; 5-year subscription / Tier 5 device
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MSE-SUB-T100-1	T100	cnMaestro Essentials for managing Third party end points; 1-year subscription /T100 device. Third party end points supported: Machfu
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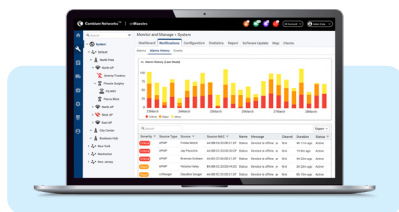
MSE-SUB-T100-3	T100	cnMaestro Essentials for managing Third party end points; 3-year subscription /T100 device. Third party end points supported: Machfu
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MSE-SUB-T100-5	T10	cnMaestro Essentials for managing Third party end points; 5-year subscription /T100 device. Third party end points supported: Machfu
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MSX-SUB-T100-1	T100	cnMaestro X for managing Third party end points; 1-year subscription /T100 device. Third party end points supported: Machfu
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MSX-SUB-T100-3	T100	cnMaestro X for managing Third party end points; 3-year subscription /T100 device. Third party end points supported: Machfu
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MSX-SUB-T100-5	T100	cnMaestro X for managing Third party end points; 5-year subscription /T100 device. Third party end points supported: Machfu
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GET STARTED at
cloud.cambiumnetworks.com

Free 90-day trial of cnMaestro X:
cambiumnetworks.com/cnmaestro-x

ABOUT CAMBIUM NETWORKS

Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.

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