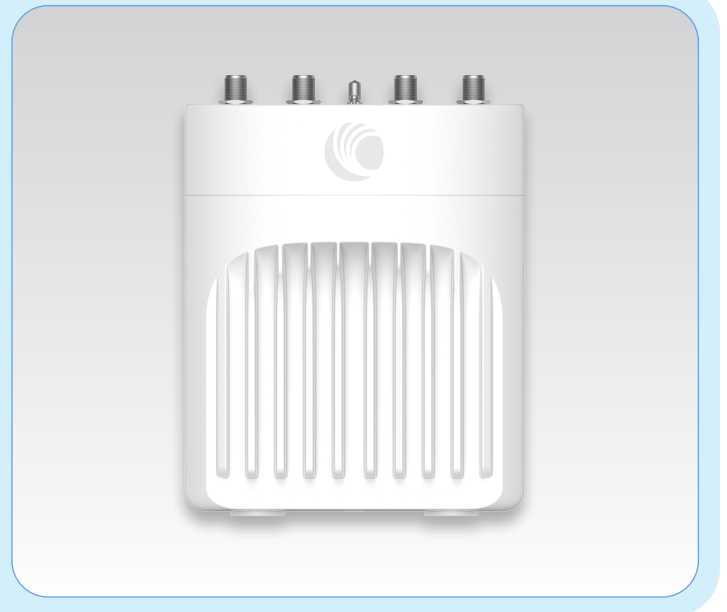


# XE3-4TN Wi-Fi 6 Outdoor Access Point

802.11ax Tri-Radio 4x4/2x2 Access Point with N-type antenna connectors

## QUICK LOOK:

- Tri-Radio/Tri-Band WiFi 6 and 6E
- Software-defined 5 GHz/6 GHz radio
- AFC compliant for 6 GHz operation\*
- 6.6 Gbps aggregate data rate
- 2.5 GbE and 1 GbE uplink ports
- Manage by cnMaestro, XMS-Cloud, Swift



## Outdoor high-density, future proof Wi-Fi

The XE3-4TN is an outdoor rated tri-radio Wi-Fi 6/6E 4x4/2x2 access point (AP) designed to deliver future-proof performance and value for building next generation networks. Wi-Fi 6 delivers faster and more efficient wireless network connections than previous generation Wi-Fi technologies. Wi-Fi 6E extends the capacity of Wi-Fi into the 6 GHz band, more than tripling the wireless spectrum available.

## Software-defined radio provides flexibility

The software-defined radio (SDR) provides flexibility to match the capability of the connected clients and to match the regulatory limits in the 6 GHz band. Where 6 GHz outdoor is not allowed, operate the XE3-4TN in dual 5 GHz mode to expand capacity in the allowed 5 GHz channels. Where 6 GHz outdoor is allowed, and Wi-Fi clients support it, use tri-radio mode to dramatically increase density in a reduced RF interference environment.



XMS-Cloud



cnMaestro™ X

The XE3-4TN comes with industry leading three-year hardware warranty providing return and repair service on the access point and multiple tiers of customer support from the business day to extended hours and advanced replacement.

*\* Automatic frequency coordination (AFC) is under development and will be a cloud service that will assign operating channel and power. AFC is required for 6 GHz operation outdoors.*

## XE3-4TN Wi-Fi 6 Outdoor Access Point

### Access Point Specifications

*Note: Some features will be included on subsequent firmware releases.*

**FCC** Ch 1–11, 36–64, 100–144, 149–165

**ISED** Ch 1–11, 36–64, 100–116, 149–165

**ETSI** Ch 1–13, 36–64, 100–140

**ROW** (Individual country limits may apply)

Ch 1–14, 36–64, 100–144, 149–177

#### 6 GHz Channels

**FCC/IC/ROW** Ch 1–233

**EU** Ch 1–93

**Note:** FCC, IC, EU DFS channels not supported in first release

**Radios**     **5 GHz /6 GHz** 802.11a/n/ac/ax, 4x4 SW configurable  
**5 GHz** 802.11 a/n/ac Wave 2/ax, 2x2  
**2.4 GHz** 802.11 b/g/n/ax, 2x2  
**BLE 4.1, GPS receiver**

**Wi-Fi**       802.11 a/b/g/n/ac Wave 2/ax

**SSID Security**   WPA3, WPA2 (CCMP, AES, 802.11i), WPA2 Enterprise (802.1x/EAP), WPA PSK (TKIP), WEP, Open

**Max PHY Rate**   **5/6 GHz radio** 4,804 Mbps  
**5 GHz radio** 1,201 Mbps  
**2.4 GHz radio** 573.5Mbps

**Ports**       1 x IEEE 100/1000/2500 Mbps Ethernet  
1 x IEEE 10/100/1000 Mbps Ethernet with PoE out

**Max EIRP**   **5/6 GHz** 36 dBm/TBD  
**5 GHz** 36 dBm  
**2.4 GHz** 36 dBm  
*EIRP may be limited by country regulations*

**Power**        Typical power 25W (802.3at)  
Maximum power 62W with PoE out enabled and sourcing 30W

**Dimensions**   220mm x 200mm x 86mm  
(8.66 in x 7.87 in x 3.39 in)

**Weight**       2,920 g (6.44 lbs)

**Security**      Kensington lock slot

**LEDs**         Multi-color status LEDs

**Ambient Operation Temperature**   -40°C to 65°C  
(-40°F to 149°F)

**Storage Temperature**           -40°C to 70°C  
(-40°F to 158°F)

**Humidity**     95% RH non-condensing

**Certifications (Compliance)**   WiFi Alliance 80211a/b/g/n/ac/ax, PP2.0  
FCC, ETSI, CE, IC, IEC60950, IEC62368, EN61373, EN50121, EN 303 413 (GPS), IEC 60068-2-5 (solar radiation), IEC 60529 (Ingress Protection)

## XE3-4TN Wi-Fi 6 Outdoor Access Point

### Network Specifications

*Note: Some features will be included on subsequent firmware releases.*

<b>Operational Modes</b>	Standalone Cloud managed cnMaestro or VM Cloud managed XMS
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<b>WLAN</b>	1500 clients, 16 SSIDs WPA-TKIP, WPA2 AES, 802.1x 802.11w PMF
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<b>Authentication Encryption</b>	Hotspot 2.0, 802.1x EAP-SIM/AKA, EAP-PEAP, EAP-TTLS, EAP-TLS, MAC authentication local database or RADIUS
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<b>Scheduled WLAN</b>	On/off by day, week, time of day
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<b>Guest Access</b>	EasyPass guest self-registration, guest Ambassador, ePSK, Vouchers, Rate Limit, Splash page hosted on AP or cnMaestro Client isolation per SSID, per network
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<b>Data Limit</b>	Client rate limit per SSID
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<b>Subscriber QoS</b>	WMM
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<b>Fast Roaming</b>	802.11r, OKC, Enhanced roaming
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<b>Mesh</b>	Multi-hop, either band
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<b>Channel Selection</b>	Multi-modal channel selection with AutoChannel, AutoBand (XMS) and autotune (cnMaestro)
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<b>RF Management</b>	Multi-Modal RF optimization supporting AutoCell (XMS) and AutoRF (cnMaestro) performed in the intelligent edge AP. Out of band RF spectrum analysis, radio self test network assurance (XMS), RF monitor with chn/noise/interference
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<b>Network</b>	TCP connection log, NAT logging firewall, DHCP server, L2, L3 or DNS based access control, VLAN Pooling, RADIUS attribute VID, VLAN per SSID per user
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<b>Band Steer Load Balance</b>	Yes
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<b>Tunnel</b>	L2TP, L2oGRE, PPPoE
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<b>Network and RF Management Tools</b>	Wired and wireless remote packet capture, auto logging, ZapD performance tool, rogue AP detection
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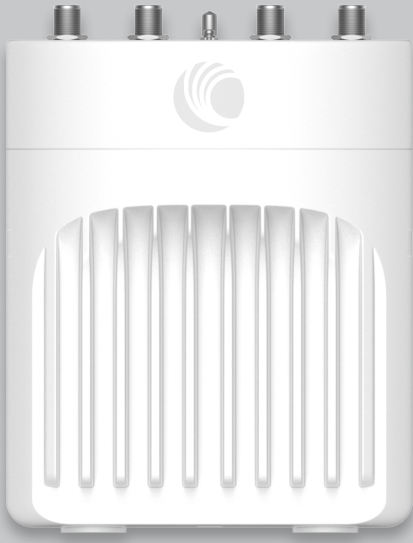
<b>Services</b>	WIDs/WIPs, NTP, Syslog, SNMP traps, DNS proxy, auto-off on WAN failure, Layer 2 – layer 7 application visibility & control,
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<b>API</b>	RESTful management and statistics API Presence location APIs
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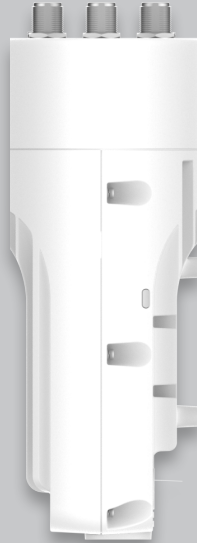
### Standards

<b>Wi-Fi Protocols</b>	802.11a/b/g/n/ac wave 2, 802.11ax, up to 4x4. 20/40/80/160 MHz, MU-OFDMA, MU-MIMO, TWT, MIMO, VHT MCS rates, 16/64/256/1024/4096-QAM, HT20/40/80/160 MHz
	Transmit Beam steering, Airtime Fairness, AMSDU, AMPDU, RIFS, STBC, LDPC, MIMO Power Save, MRC, BPSK, QPSK, CCK, DSSS, OFDM
	IEEE 802.11d/e/h/i/k/r/u/v/w

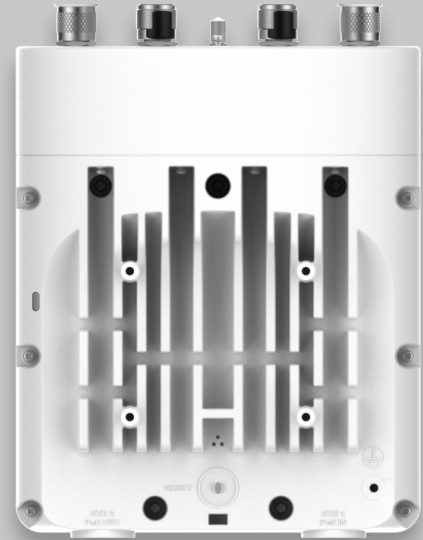
### XE3-4TN Wi-Fi 6 Outdoor Access Point



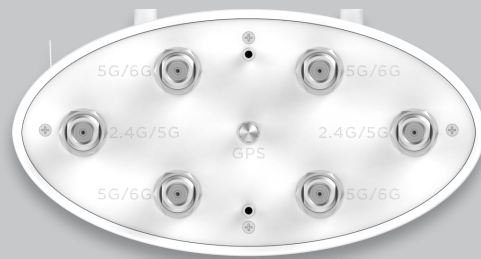
Front



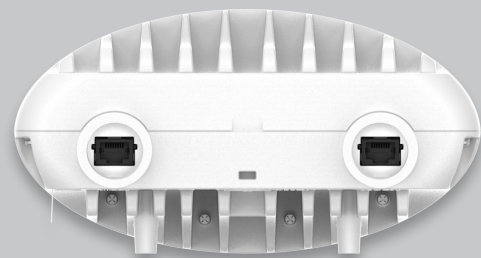
Side View



Back Panel



Top



Bottom

## XE3-4TN Wi-Fi 6 Outdoor Access Point

### XE3-4TN Radio Ordering Information

<b>XE3-4T</b>	Regulatory Model
<b>XE3-4TN0A00-US</b>	XE3-4TN Outdoor Wi-Fi 6E 4x4 SDR Access Point, 2.5 GbE, US
<b>XE3-4TN0A00-EU</b>	XE3-4TN Outdoor Wi-Fi 6E 4x4 SDR Access Point, 2.5 GbE, EU
<b>XE3-4TN0A00-RW</b>	XE3-4TN Outdoor Wi-Fi 6E 4x4 SDR Access Point, 2.5 GbE, 6 GHz radio disabled, RW
<b>XE3-4TN0A06-RW</b>	XE3-4TN Outdoor Wi-Fi 6E 4x4 SDR Access Point, 2.5 GbE, 6 GHz radio enabled, RW
<b>XE3-4TN0A00-CA</b>	XE3-4TN Outdoor Wi-Fi 6E 4x4 SDR Access Point, 2.5 GbE, CA
<b>N000000L142A</b>	N000000L142A PoE injector, 60W, 5 GbE, Indoor, Energy Level 6 Supply

### Antenna Ordering Guide

	<b>2.4 GHz 2x2</b>	<b>5 GHz 2x2</b>	<b>2.4/5 GHz 2x2</b>	<b>5 GHz 4x4</b>	<b>6 GHz 4x4</b>
<b>Antenna ports 2.4 GHz/5 GHz</b>	ANT-D15-2X2-2G ANT-D90-2X2-01 ANT-OM-1X1-05	ANT-D15-2X2-5G ANT-D90-2X2-01 ANT-OM-1X1-05	ANT-OM-1X1-05 ANT-D90-2X2-01	N/A	N/A
<b>Antenna ports 5 GHz/6 GHz</b>	N/A	N/A	N/A	ANT-D35-4X4-01 ANT-OM-1X1-05 ANT-D60-4X4-01	ANT-D35-4X4-01 ANT-OM-1X1-05 ANT-D60-4X4-01

### Antenna Ordering Information

<b>ANT-OM-1X1-05</b>	Tri-Band 2.4 GHz/5 GHz/6 GHz, 5 dBi, omni-directional 1x1 antenna with N-male connector
<b>ANT-D35-4X4-01</b>	Dual band 5 GHz/6 GHz, 13 dBi, 35° beamwidth 4x4 antenna with N-female connectors, bracket included, cables sold separately
<b>ANT-D15-2X2-2G</b>	2.4 GHz, 18 dBi, 15°, 2x2 panel antenna with N-female connectors, cables sold separately
<b>ANT-D15-2X2-5G</b>	5 GHz, 18 dBi, 15°, 2x2 panel antenna with N-female connector for XH2-120. Cables sold separately
<b>ANT-D90-2X2-01</b>	2.4 GHz/5 GHz, 6/7 dBi 90° 2x2 panel antenna N-female connectors. Cables sold separately
<b>ANT-GPS-01</b>	GPS antenna
<b>ANT-CB-10MM-03</b>	Antenna cable N-type M to M, LMR400, 3m, qty 1 cable
<b>ANT-CB-10MM-04</b>	Antenna cable N-type M straight to N-type M Right Angle-LMR400, 3m, Qty 1 cable

## XE3-4TN Wi-Fi 6 Outdoor Access Point

### cnMaestro X Ordering Information

<b>MSX-SUB-XE3-4TN-1</b>	cnMaestro X for one XE3-4TN AP. Creates one Device Tier 3 slot. Includes Cambium Care Pro support. 1-year subscription
<b>MSX-SUB-XE3-4TN-3</b>	cnMaestro X for one XE3-4TN AP. Creates one Device Tier 3 slot. Includes Cambium Care Pro support. 3-year subscription
<b>MSX-SUB-XE3-4TN-5</b>	cnMaestro X for one XE3-4TN AP. Creates one Device Tier 3 slot. Includes Cambium Care Pro support. 5-year subscription

### XMS and EasyPass Ordering Information

<b>XMSC-SUB-2R-1</b>	XMS-Cloud 1-year subscription: 2 or 3-radio APs with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-SUB-2R-3</b>	XMS-Cloud 3-year subscription: 2 or 3-radio APs with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-SUB-2R-5</b>	XMS-Cloud 5-year subscription: 2 or 3-radio APs with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-EDU-SUB-2R-1</b>	XMS-Cloud 1-year subscription for Education: 2 or 3-radio APs with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-EDU-SUB-2R-3</b>	XMS-Cloud 3-year subscription for Education: 2 or 3-radio APs with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-EDU-SUB-2R-5</b>	XMS-Cloud 5-year subscription for Education: 2 or 3-radio APs with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-MSP-SUB-2R-1</b>	XMS-Cloud 1-year subscription for MSP: 2 or 3-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-MSP-SUB-2R-3</b>	XMS-Cloud 1-year subscription for MSP: 2 or 3-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>XMSC-MSP-SUB-2R-5</b>	XMS-Cloud 1-year subscription for MSP: 2 or 3-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support
<b>EASY-SUB-2R-1</b>	EasyPass 1-year subscription for a 2 or 3-radio APs operating with XMS-Cloud or XMS-Enterprise
<b>EASY-SUB-2R-3</b>	EasyPass 3-year subscription for a 2 or 3-radio APs operating with XMS-Cloud or XMS-Enterprise
<b>EASY-SUB-2R-5</b>	EasyPass 5-year subscription for a 2 or 3-radio APs operating with XMS-Cloud or XMS-Enterprise

## XE3-4TN Wi-Fi 6 Outdoor Access Point

### Cambium Care Ordering Information

**CCADV-SUP-XE3-4TN-1** Cambium Care Advanced, 1-year support for one XE3-4TN Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW

**CCADV-SUP-XE3-4TN-3** Cambium Care Advanced, 1-year support for one XE3-4TN Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW

**CCADV-SUP-XE3-4TN-5** Cambium Care Advanced, 3-year support for one XE3-4TN Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW

**CCPRO-SUP-XE3-4TN-1** Cambium Care Pro, 1-year support for one XE3-4TN Wi-Fi 6/6E AP. 24x7 TAC support and SW updates

**CCPRO-SUP-XE3-4TN-3** Cambium Care Pro, 3-year support for one XE3-4TN Wi-Fi 6/6E AP. 24x7 TAC support and SW updates

**CCPRO-SUP-XE3-4TN-5** Cambium Care Pro, 5-year support for one XE3-4TN Wi-Fi 6/6E AP. 24x7 TAC support and SW updates

**CCADV-UPG-XE3-4TN-1** Cambium Care Advanced Add-on to cnMaestro X, 1-year support for one XE3-4TN. 24x7 TAC support, SW updates, and NBDS advance replacement for HW

**CCADV-UPG-XE3-4TN-3** Cambium Care Advanced Add-on to cnMaestro X, 3-year support for one XE3-4TN. 24x7 TAC support, SW updates, and NBDS advance replacement for HW

**CCADV-UPG-XE3-4TN-5** Cambium Care Advanced Add-on to cnMaestro X, 5-year support for one XE3-4TN. 24x7 TAC support, SW updates, and NBDS advance replacement for HW

### LIMITED WARRANTY

Cambium Networks XE3-4TN Wi-Fi 6 Access Point  
includes a 3-year hardware warranty.

#### 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.

[cambiumnetworks.com](https://www.cambiumnetworks.com)

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