

Wi-Fi 6 Outdoor Access Point

802.11ax Outdoor Access Point

Value tier outdoor Wi-Fi 6 access point designed for cost effective upgrade to the latest 802.11ax standard in Wi-Fi technology.

QUICK LOOK:

Dual Radio Wi-Fi 6
5 GHz (2x2), 2.4 GHz (2x2)
One 1 GbE
Outdoor rated IP67 enclosure
Manage by cnMaestro, XMS Cloud, Swift



VALUE TIER Wi-Fi FOR ANY MARKET

The Cambium Networks 23T Wi-Fi 6 Outdoor access point delivers a high performance to price ratio attractive to any market.

The 23T can be adopted and managed by any of the Cambium Networks management systems, cnMaestro Cloud, cnMaestro X, cnMaestro on-premises, XMS-Cloud, or Swift app-based management. Choose the management type you need and change it at any time. Unlike other value-tier access points, the 23T is never locked into just one management selection.

DESIGNED FOR FAST INSTALLATION

The 23T offers multiple installation methods included in the same shipping box. Mount the AP to a pole using the included clamps, or to a flat surface using the integrated bracket. The 23T is a compact size and high performance outdoor Wi-Fi 6 access point.

23T Outdoor AT-A-GLANCE

- 802.11a/b/g/n/ac, ax
- 5 GHz (2x2), 2.4 GHz (2x2)
- 1 GbE RJ45 interface
- Outdoor rated IP67, -40 to 65C
- Optional Shock & Vibration bracket
- Three year hardware warranty providing return and repair service on the access point.
- Additional support options are available for extended hours and advanced replacement

STANDARDS

802.11a/b/g/n/ac wave 2, 802.11ax, up to 2x2. 20/40/80 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

ACCESS POINT SPECIFICATIONS

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

Radios 5 GHz: 802.11a/n/ac/ax, 2x2
 2.4 GHz: 802.11 b/g/n/ax, 2x2

MAX PHY Rate 2.4 GHz 2x2 radio: 573.5 Mbps
 5 GHz 2x2 radio: 2402 Mbps

Antenna 5 GHz: 8 dBi
 2.4 GHz: 6 dBi

Max EIRP 5 GHz: 34 dBm
 2.4 GHz: 32 dBm

Ports 1 x IEEE 100/1000 Mbps Ethernet

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

MTBF 246k hours @ 40C (estimated)

Power Typical power 11W (802.3af)
Max power 12.95W (802.3af)

Physical Environmental 300 mm x 200 mm x 84 mm (11.8 in x 7.9 in x 3.3 in) 1600g
 Multi-color status LED
 -40C - + 65C ambient op temp
 -40C - + 70C storage temperature
 95% RH non-condensing

CERTIFICATIONS WiFi Alliance 80211a/b/g/n/ac, PP2.0
 FCC, ETSI, CE, EN 60601-1-2, IEC60950

WLAN AND NETWORK SPECIFICATIONS

CONTROLLER MODE Controller-less standalone
 Cloud managed cnMaestro, XMS, VM

WLAN 256 clients, 16 SSIDs
 WPA-TKIP, WPA2 AES, 802.1x
 802.11w PMF

CAPTIVE PORTAL Hosted in XMS-Cloud or cnMaestro VM
 On-AP hosted guest portal
 Redirect to HTTP/RADIUS, DNS logging

AUTHENTICATION ENCRYPTION Hotspot 2.0, 802.1x EAP-SIM/AKA, EAP-PEAP, EAP-TTLS, EAP-TLS, MAC authentication local database or RADIUS

ACCOUNTING RADIUS accounting, multiple AAA

SCHEDULED WLAN On/off by day, week, time of day

GUEST ACCESS EasyPass guest self-registration, guest Ambassador, ePSK, Vouchers, Rate Limit, Splash page hosted on AP or cnMaestro
 Client isolation per SSID, per network

DATA LIMIT Client rate limit per SSID

SUBSCRIBER QOS WMM

FAST ROAMING 802.11r, OKC, Enhanced roaming

MESH Multi-hop, either band

CHANNEL SELECTION Multi-modal channel selection with AutoChannel, AutoBand (XMS) and autotune (cnMaestro)

RF MANAGEMENT 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

Network 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

BAND STEER LOAD BALANCE Yes

TUNNEL L2TP, L2oGRE, PPPoE

NETWORK TOOLS Wired and wireless remote packet capture, logging, ZapD

SERVICES L2-L7 application visibility & control, WiFi Calling control, WIDs/WIPs, NTP, Syslog, SNMP traps, DNS proxy, auto-off on WAN failure

API RESTful management and statistics API
 Presence location APIs

Ordering Information

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| Regulatory Model | XV2-23T |
| Marketing Model | 23T |
| XV2-23T0A00-US | XV2-23T Outdoor Dual radio WiFi 6 AP, 2x2, 2.5 GbE, IP67, US |
| XV2-23T0A00-EU | XV2-23T Outdoor Dual radio WiFi 6 AP, 2x2, 2.5 GbE, IP67, EU |
| XV2-23T0A00-RW | XV2-23T Outdoor Dual radio WiFi 6 AP, 2x2, 2.5 GbE, IP67, RW |
| XV2-23T0A00-CA | XV2-23T Outdoor Dual radio WiFi 6 AP, 2x2, 2.5 GbE, IP67, CA |
| N000000L142A | N000000L142A PoE injector, 60W, 5 GbE, Outdoor, Energy Level 6 Supply |
| N000000L034B | PoE, 30.5W, 56V, GbE DC Injector, Outdoor, Energy Level 6 Supply, accepts C5 connector |
| N000900L017A | PoE, 15.4W, 56V, GbE DC Injector, Outdoor, Energy Level 6 Supply, accepts C5 connector |

cnMaestro X Subscriptions

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| MSX-SUB-T3-1 | MSX-SUB-T3-1 cnMaestro X for Enterprise: Advanced management and includes Cambium Care Pro Support; 1-year term |
| MSX-SUB-T3-3 | MSX-SUB-T3-3 cnMaestro X for Enterprise: Advanced management and includes Cambium Care Pro Support; 3-year term |
| MSX-SUB-T3-5 | MSX-SUB-T3-5 cnMaestro X for Enterprise: Advanced management and includes Cambium Care Pro Support; 5-year term |
| MSX-SUB-T3-M | MSX-SUB-T3-M cnMaestro X for Enterprise: Advanced management and includes Cambium Care Pro Support; 1-month term |

XMS and EasyPass Subscription

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| XMSC-SUB-2R-1 | XMS-Cloud 1-year subscription: 2 or 3-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support |
| XMSC-SUB-2R-3 | XMS-Cloud 3-year subscription: 2 or 3-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support |
| XMSC-SUB-2R-5 | XMS-Cloud 5-year subscription: 2 or 3-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Cambium Care Advanced Support |
| EASY-SUB-2R-1 | EasyPass 1-year subscription for a 2 or 3-radio AP operating with XMS-Cloud |
| EASY-SUB-2R-3 | EasyPass 3-year subscription for a 2 or 3-radio AP operating with XMS-Cloud |
| EASY-SUB-2R-4 | EasyPass 5-year subscription for a 2 or 3-radio AP operating with XMS-Cloud |

Cambium Care Support

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| CCADV-SUP-XV23T-4-1 | Cambium Care Advanced, 1-year support for one XV23T Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW |
| CCADV-SUP-XV23T-3 | Cambium Care Advanced, 3-year support for one XV23T Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW |
| CCADV-SUP-XV23T-5 | Cambium Care Advanced, 5-year support for one XV23T Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW |
| CCPRO-SUP-XV23T-1 | Cambium Care Pro, 1-year support for one XV23T Wi-Fi 6/6E AP. 24x7 TAC support and SW updates |
| CCPRO-SUP-XV23T-3 | Cambium Care Pro, 3-year support for one XV23T Wi-Fi 6/6E AP. 24x7 TAC support and SW updates |
| CCPRO-SUP-XV23T-5 | Cambium Care Pro, 5-year support for one XV23T Wi-Fi 6/6E AP. 24x7 TAC support and SW updates |
| CCADV-UPG-XV23T-1 | Cambium Care Advanced Add-on to cnMaestro X, 1-year support for one XV23T. 24x7 TAC support, SW updates, and NBDS advance replacement for HW |
| CCADV-UPG-XV23T-3 | Cambium Care Advanced Add-on to cnMaestro X, 3-year support for one XV23T. 24x7 TAC support, SW updates, and NBDS advance replacement for HW |
| CCADV-UPG-XV23T-5 | Cambium Care Advanced Add-on to cnMaestro X, 5-year support for one XV23T. 24x7 TAC support, SW updates, and NBDS advance replacement for HW |

LIMITED LIFETIME WARRANTY

Cambium Networks 23T Outdoor Wi-Fi 6 Access Point includes a five year hardware warranty from time of sale