

Wi-Fi 6 Wallplate Wi-Fi Access Point

802.11ax Wallplate Access Point with BLE/Zigbee

Put personal Wi-Fi in the room where people and devices connect. Designed for discreet installation on a flat wall surface or over a wiring box. The high powered Wi-Fi 6 Wallplate include enterprise-grade seamless roaming, automated RF control, beamforming and IOT integration using BLE or Zigbee protocols

QUICK LOOK:

Dual Radio Wi-Fi 6
5 GHz (2x2), 2.4 GHz (2x2)
BLE/Zigbee 802.15.4 transceiver
Three GbE with PoE out
Manage by cnMaestro, XMS Cloud, Swift



DO-NOT-DISTURB HOTEL DESIGN

Hotel guests connect to Wi-Fi before turning on the TV - Wi-Fi is a must-have to stay connected with coworkers, family and social media. With the Cambium Networks 22H Wi-Fi 6 Wallplate, the guest will be delighted with a perfect connection to all their devices. Customize the cloud-managed guest access portal or integrate with any third-party subscriber management using the full RESTful API

DESIGNED FOR FAST INSTALLATION

The 22H installs quickly over a standard single gang junction box, or to any surface using the optional mounting adapters. 22H has three gigabit Ethernet ports, one for the uplink and two for local devices. One GE port provides 48VDC PoE out. All ports support 802.1Q VLANs, IGMP and 802.1x authentication. VLAN and IP segmentation allows secure connections to a TV set-top box, laptop, printer, or any networked device.

22H Wallplate AT-A-GLANCE

- 802.11a/b/g/n/ac, ax
- 5 GHz (2x2), 2.4 GHz (2x2)
- Integrated BLE/Zigbee transceiver
- 3 GbE RJ45 interface
- PoE out
- Multiple mounting options

The 22H Wallplate is ideal for hotels, resorts, apartment MDU, student housing, long term care, or even as a microcell Wi-Fi in enterprise and retail.

The AP includes a five 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		Ports	3 x IEEE 10/100/1000 Mbps Ethernet
Radios	5 GHz: 802.11a/n/ac/ax, 2x2 2.4 GHz: 802.11 b/g/n/ax, 2x2 Single transceiver for BLE 4.1 or 802.15.4 Zigbee	SSID Security	WPA3, WPA2 (CCMP, AES, 802.11i), WPA2 Enterprise (802.1x/EAP), WPA PSK (TKIP), WEP, Open
MAX PHY Rate	2.4 GHz 2x2 radio: 573.5 Mbps 5 GHz 2x2 radio: 2402 Mbps	MTBF	246k hours @ 40C (estimated)
Antenna	5 GHz: 4 dBi 2.4 GHz: 4 dBi	Power	Typical power 12W (802.3af) 28W with PoE out enabled (802.3at)
Max EIRP	5 GHz: 27 dBm 2.4 GHz: 27 dBm	Physical Environmental	160 mm x 105 mm x 32 mm (6.3 in x 4.1 in x 1.26 in) 390g Multi-color status LED 0C - + 40C 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	CHANNEL SELECTION	Multi-modal channel selection with AutoChannel, AutoBand (XMS) and autotune (cnMaestro)
WLAN	256 clients, 16 SSIDs WPA-TKIP, WPA2 AES, 802.1x 802.11w PMF	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
CAPTIVE PORTAL	Hosted in XMS-Cloud or cnMaestro VM On-AP hosted guest portal Redirect to HTTP/RADIUS, DNS logging	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
AUTHENTICATION ENCRYPTION	Hotspot 2.0, 802.1x EAP-SIM/AKA, EAP- PEAP, EAP-TTLS, EAP-TLS, MAC authentication local database or RADIUS	BAND STEER LOAD BALANCE	Yes
ACCOUNTING	RADIUS accounting, multiple AAA	TUNNEL	L2TP, L2oGRE, PPPoE
SCHEDULED WLAN	On/off by day, week, time of day	NETWORK TOOLS	Wired and wireless remote packet capture, logging, ZapD
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	SERVICES	WIDs/WIPs, NTP, Syslog, SNMP traps, DNS proxy, auto-off on WAN failure
DATA LIMIT	Client rate limit per SSID	API	RESTful management and statistics API Presence location APIs
SUBSCRIBER QOS	WMM		
FAST ROAMING	802.11r, OKC, Enhanced roaming		
MESH	Multi-hop, either band		

Ordering Information

Regulatory Model	XV2-22H
Marketing Model	22H
XV2-22H0A00-US	XV2-22H Wallplate Dual radio WiFi 6 AP, 2x2, 4 x GbE, 48V PoE out, BLE/Zigbee. US
XV2-22H0A00-EU	XV2-22H Wallplate Dual radio WiFi 6 AP, 2x2, 4 x GbE, 48V PoE out, BLE/Zigbee. EU
XV2-22H0A00-RW	XV2-22H Wallplate Dual radio WiFi 6 AP, 2x2, 4 x GbE, 48V PoE out, BLE/Zigbee. RW
XV2-22H0A00-CA	XV2-22H Wallplate Dual radio WiFi 6 AP, 2x2, 4 x GbE, 48V PoE out, BLE/Zigbee. CA
N000000L142A	N000000L142A PoE injector, 60W, 5 GbE, Indoor, Energy Level 6 Supply
N000000L034B	PoE, 30.5W, 56V, GbE DC Injector, Indoor, Energy Level 6 Supply, accepts C5 connector
N000900L017A	PoE, 15.4W, 56V, GbE DC Injector, Indoor, Energy Level 6 Supply, accepts C5 connector
PL-SNWLGNGB-WW	22H/430H/425 Wall bracket single gang junction box
PL-WALLMNTB-WW	22H/430H/425 Mounting Adapter. Use to mount the AP to a flush surface
AX-ETHJMPRA-WW	Accessory short Ethernet jumper cable

cnMaestro X Subscriptions

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

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

CCADV-SUP-XV22H-4-1	Cambium Care Advanced, 1-year support for one XV22H Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW
CCADV-SUP-XV22H-3	Cambium Care Advanced, 3-year support for one XV22H Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW
CCADV-SUP-XV22H-5	Cambium Care Advanced, 5-year support for one XV22H Wi-Fi 6/6E AP. 24x7 TAC support, SW updates, and NBD advance replacement for HW
CCPRO-SUP-XV22H-1	Cambium Care Pro, 1-year support for one XV22H Wi-Fi 6/6E AP. 24x7 TAC support and SW updates
CCPRO-SUP-XV22H-3	Cambium Care Pro, 3-year support for one XV22H Wi-Fi 6/6E AP. 24x7 TAC support and SW updates
CCPRO-SUP-XV22H-5	Cambium Care Pro, 5-year support for one XV22H Wi-Fi 6/6E AP. 24x7 TAC support and SW updates
CCADV-UPG-XV22H-1	Cambium Care Advanced Add-on to cnMaestro X, 1-year support for one XV22H. 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCADV-UPG-XV22H-3	Cambium Care Advanced Add-on to cnMaestro X, 3-year support for one XV22H. 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCADV-UPG-XV22H-5	Cambium Care Advanced Add-on to cnMaestro X, 5-year support for one XV22H. 24x7 TAC support, SW updates, and NBDS advance replacement for HW

LIMITED LIFETIME WARRANTY

Cambium Networks 22H Wallplate Wi-Fi 6 Access Point includes a five year hardware warranty from time of sale