

cnPilotXirrus™ XV2-2

Dual radio Wi-Fi 6 AP, 2x2

Upgrade 802.11ac Wi-Fi network with the latest Wi-Fi 6 technology. Ideal for SME, hotels, retail and education looking for a low risk upgrade to the next generation technology to support new mobile devices and IOT.



Investment protection with Wi-Fi 6

Cambium Networks XV2-2 enables managed service providers and IT administrators to upgrade the enterprise Wi-Fi network for the next generation of devices without breaking the bank today. Managed service providers often provide a technology upgrade as part of the service, and the XV2-2 is an ideal fit for managed services in small to medium enterprise, primary and secondary schools, retail and hospitality.

The XV2-2 includes automatic RF management to optimize the wireless performance and mitigate interference from other access points within the enterprise or from neighbor wireless networks. MESH, auto-MESH, zero touch provisioning and integrated help desk tools further simplify deployment.

XV2-2 is part of the cnPilotXirrus™ series X portfolio designed to operate with either the XMS management system or cnMaestro™.

cnPilotXirrus™ XMS-Cloud or XMS-Enterprise VM

XMS automatic provisioning and a host of applications to enhance network management in enterprise, education and large venues. XV2-2 support EasyPass™ for BYOD policy access, L7 application visibility and control, and Command Center drag-n-drop managed service provider application

cnMaestro™ Single Pane of Glass

Adopt, provision, manage and report network deployments with the Cambium Networks cnMaestro™ from the Cloud or on-premises VM. cnMaestro features zero-touch provisioning for broadband point to point, Ethernet switching, residential and enterprise Wi-Fi access points..

XV2-2 At a Glance

- 802.11a/b/g/n/ac, ax wave 2
- 5GHz (2x2), 2.4GHz (2x2)
- 1 2.5GbE RJ45 interface
- 802.3at PoE PD

cnPilotXirrus™ XMS

- Intuitive Drag-Drop interface
- Network and location analytics
- EasyPass™, Command Center, AVC



cnMaestro™

- Broadband PtP – Ethernet - WiFi
- Help desk troubleshooting tools
- Cloud managed Guest Access



802.11 CAPABILITIES

802.11a/b/g/n/ac/ax 802.11ax wave 2, up to 2x2:2:2, MU-OFDMA, MU-MIMO, TWT, MIMO, VHT MCS rates, 16/64/256/1024-QAM, HT20/40/80/80+80 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

US-FCC 2400 – 2484 MHz, 5150 – 5250 MHz, 5725 – 5850 MHz Industry Canada (ISED) 2400 – 2484 MHz, 5150 – 5250 MHz, 5725 – 5850 MHz EU-ETSI 2400 – 2484 MHz, 5150 – 5250 MHz ROW (individual country limits may apply) 2400 – 2500 MHz, 5150 – 5850 MHz Note: US FCC, IC FCC, EU DFS channels not supported in first release	ANTENNA	5dBi (2.4GHz) 5dBi (5GHz), Omni 2 x 2.4GHz, 2 x 5GHz
	MAX EIRP	2.4 GHz: 30 dBm 5 GHz: 30 dBm <i>(EIRP may be limited by individual country regulation)</i>
	POWER	802.3at Powered Device, max 30w
	PHYSICAL ENVIRONMENTAL	200mm x 200mm x 50mm, 800g Kensington lock slot Multi-color status LEDs 0C - + 50C ambient op temp -20C - + 70C storage temperature 95% RH non-condensing
SSID SECURITY		WPA2 (802.11i), WPA2 Enterprise (802.1x/EAP), WPA PSK, Open
MAX PHY RATE		2.4 GHz radio: 595 Mbps 5 GHz radio: 2475 Mbps
PORTS		One IEEE 2.5 Gigabit Ethernet auto sensing
	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 AutoPilot heterogeneous network Cloud managed cnMaestro or VM Cloud managed XMS or VM	MESH	Multi-hop, either band
WLAN	512 clients, 16 SSIDs WPA-TKIP, WPA2 AES, 802.1x 802.11w PMF	CHANNEL SELECTION	Multi-modal channel selection with AutoChannel, AutoBand (XMS) and autotune (cnMaestro). Granular control of off-channel scan and channel selection
CAPTIVE PORTAL	Hosted on cnMaestro Controller On-AP hosted guest portal Redirect to HTTP/RADIUS Server DNS logging	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
AUTHENTICATION ENCRYPTION	Hotspot 2.0/Passpoint 2.0 802.1x EAP-SIM/AKA, EAP-PEAP, EAP-TTLS, EAP-TLS, MAC authentication to local database or external RADIUS	Network	NAT, NAT logging firewall, DHCP server L2, L3 or DNS based access control VLAN Pooling, RADIUS attribute VID VLAN per SSID per user
ACCOUNTING	RADIUS accounting, multiple AAA	BAND STEER LOAD BALANCE	Yes
SCHEDULED WLAN	On/off by day, week, time of day	TUNNEL	L2TP, L2oGRE, PPPoE
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	NETWORK AND RF MANAGEMENT TOOLS	wired and wireless remote packet capture, auto logging, ZapD performance tool, rogue AP detection
DATA LIMIT	Client rate limit per SSID	SERVICES	NTP, Syslog, SNMP traps, DNS proxy, auto-off on WAN failure
SUBSCRIBER QOS	WMM	API	RESTful management and statistics API Presence location APIs
FAST ROAMING	802.11r, OKC, Enhanced roaming		

*Pre-release data subject to change***GENERAL ORDERING INFORMATION**

XV2-2X00A00-US	cnPilotXirrus Indoor dual 2x2 11ax. 2.5GbE. US
XV2-2X00A00-EU	cnPilotXirrus Indoor dual 2x2 11ax. 2.5GbE. EU
XV2-2X00A00-RW	cnPilotXirrus Indoor dual 2x2 11ax. 2.5GbE. RoW
XV2-2X00A00-CA	cnPilotXirrus Indoor dual 2x2 11ax. 2.5GbE. CA

XMS SUBSCRIPTIONS

XMSC-SUB-2R-1	XMS-Cloud 1 year subscription: 2-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Gold Support
XMSC-SUB-2R-3	XMS-Cloud 3 year subscription: 2-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Gold Support
XMSC-SUB-2R-5	XMS-Cloud 5 year subscription: 2-radio AP with EasyPass Guest Self-Registration and Guest Ambassador modules and Gold Support

XMS SUPPORT

CCADV-SUB-XV2-2-1	Cambium Care Advanced Support 1 year subscription: one XV2-2 Wireless AP
CCADV-SUB-XV2-2-3	Cambium Care Advanced Support 3 year subscription: one XV2-2 Wireless AP
CCADV-SUB-XV2-2-5	Cambium Care Advanced Support 5 year subscription: one XV2-2 Wireless AP
CCPRO-SUB-XV2-2-1	Cambium Care Pro Support 1 year subscription: one XV2-2 Wireless AP
CCPRO-SUB-XV2-2-3	Cambium Care Pro Support 3 year subscription: one XV2-2 Wireless AP
CCPRO-SUB-XV2-2-5	Cambium Care Pro Support 5 year subscription: one XV2-2 Wireless AP

Consult Cambium distributor for individual country availability