XV3-8 Wi-Fi 6 Access Point

802.11ax Tri-Radio 8x8 Access Point with Software-Defined Radios

QUICK LOOK:

- **High-density Wi-Fi with software-defined radios (SDR)**

- **Five-radio architecture for edge services**

- **6 Gbps aggregate data rate**

- **Dedicated scanning sensor, dual band**

- **Application policy control**

- **EasyPass with Microsoft Azure and Google G Suite integration**

DESIGNED FOR HIGH DENSITY AND EDGE SERVICES

The XV3-8 features a total of five (5) radios to deliver a next-generation network with edge services with high capacity and high density. Three data radios can be configured as two 5 GHz 4x4 plus one 2.4 GHz 4x4, or the two 5 GHz radios can be combined into a single 5 GHz 8x8 radio with the maximum power and performance of the 802.11ax standard. A dedicated network scanning radio provides continuous network monitoring to enhance security protocols, detailed network reports, and automatic RF optimizations. Add the Bluetooth Smart 4.1 IoT radio for BLE-based location services and you get a multi-radio, high-capacity Wi-Fi 6 AP designed for the most demanding networks in enterprise, education, retail, and public venues.

XV3-8 comes with Limited Lifetime Warranty providing return and repair service on the access point from date of purchase until end of life of the product.

OPTIMIZED WI-FI FOR DOMINANT CLIENT DEVICES

For networks dominated by legacy 802.11ac client devices, the dual 5 GHz 4x4 mode will double network capacity to maintain high-bitrate services as density increases. As the devices migrate to the new Wi-Fi 6 standard based on 802.11ax, the XV3-8 SDR can be quickly converted into full 8x8 operating mode via a simple configuration change. No firmware change is required to support this mode.

CLOUD AND ON-PREMISES MANAGEMENT

XV3-8 operates with either Cambium Networks' XMS or cnMaestro™ management system. Choose the management system that best fits your business and use the latest technology from Cambium Networks.

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Access Point Specifications

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

FCC Ch 1-11, 36-48, 52-64, 100-144, 149-165

ISED Ch 1-11, 36-48, 52-64, 100-144, 149-165

ETSI Ch 1-13, 32-48, 52-64, 100-144

ROW (Individual country limits may apply)
Ch 1-14, 36-48, 52-64, 100-144, 149-165

Radios	**2.4 GHz:** 802.11 b/g/n/ax, 4x4 **5 GHz:** 802.11 a/n/ac Wave 2/ax, 8x8 (or configure as two 4x4) 2.4/5 GHz scan, 1x1 BLE 4.1
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), Open
Max PHY Rate	**2.4 GHz:** 1,147 Mbps **5 GHz:** 4,804 Mbps
Ports	1 x IEEE 802.3 10/100/1000 Mbps 1 x IEEE 802.3bz 100/1000/2500/5000 Mbps Auto sensing MDIX 1 x USB 3.0 1 x Serial Console (4 pin)
Antenna	**2.4 GHz**: 5 dBi **5 GHz:** 6.7dBi **2.4/5 GHz:** sensor 5 dBi / 6.3 dBi BLE 5 dBi
Max EIRP	**2.4 GHz:** 31 dBm **5 GHz:** 36 dBm

Power	Max power with USB/BLE, 35 W (802.3bt) 802.3at mode with USB/BT disabled 12 VDC power, 2.1 mm (.083 in) barrel connector
Dimensions	235 mm x 235 mm x 42 mm (9.25 in x 9.25 in x 1.65 in)
Weight	1,250 g (2.76 lbs)
Security	Kensington lock slot
LEDs	Multi-color status LEDs
Ambient Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	95% RH non-condensing
MTBF	111k hours
Mount Options	Wall or ceiling, T-bar with included locking bracket, ceiling tile plate
Certifications (Compliance)	Wi-Fi Alliance 802.11 a/b/g/n/ac/ax, PP2.0, FCC, IC, CE, EN 60601-1-2, EN 60950-1, IEC 62368-1 Safety, EN 60601-1-2 Medical, EN 61000-4-2/3/5 Immunity, EN 50121-1 Railway EMC, EN 50121-4 Railway Immunity, IEC 61373 Railway Shock & Vibration, UL 2043 Plenum, EN 62311 Human Safety/RF Exposure, WEEE & RoHS

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