

Technical Specifications

Brand	Hewlett-Packard Enterprise (HPE)
Country of Origin	U.S. A
Model	Aruba AP-503 WI-FI 6 Indoor Access Points
AP type	Indoor
Wi-Fi radio specifications	<p>Dual-radio, 2.4GHz and 5GHz (dual concurrent) 802.11ax 2x2 MIMO Up to 256 associated client devices per radio, and up to 16 BSSIDs per radio</p> <p>2.4GHz radio: Two spatial stream Single User (SU) MIMO for up to 574Mbps wireless data rate with 2SS HE40 802.11ax client devices (287Mbps for HE20)</p> <p>5GHz radio: Two spatial stream Single User (SU) MIMO for up to 1.2Gbps wireless data rate with 2SS HE80 802.11ax client devices</p>
Supported radio technologies:	<p>802.11b: Direct-Sequence Spread-Spectrum (DSSS)</p> <p>802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM)</p> <p>802.11ax: Orthogonal frequency-division multiple access (OFDMA) with up to 8 resource units</p>
Wi-Fi antennas	<p>AP-503: Integrated downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 1.7dBi in 2.4 GHz and 4.8 dBi in 5 GHz. Built-in antennas are optimized for horizontal ceiling mounted orientation of the AP. The downtilt angle for maximum gain is roughly 30 degrees.</p> <p>Combining the patterns of each of the antennas of the MIMO radios, the peak gain of the combined, average pattern is 1.5 dBi in 2.4 GHz and 3.9 dBi in 5 GHz</p>
Certifications	<p>–Wi-Fi CERTIFIED a, b, g, n, ac</p> <p>–Wi-Fi CERTIFIED 6</p> <p>–WPA, WPA2 and WPA3—Enterprise with CNSA</p> <p>- WMM, WMM-PS, Wi-Fi Agile Multiband</p> <p>- Passpoint (release 2)</p>
Other interfaces and features	<p>Auto-sensing link speed (10/100/1000BASE-T) and MDI/MDX</p> <p>802.3az Energy Efficient Ethernet (EEE)</p> <p>USB 2.0 host interface (Type A connector)</p> <p>Built-in Trusted Platform Module (TPM) for enhanced security and anti-counterfeiting</p> <p>Visual indicators (two multi-color LEDs): for System and Radio status</p> <p>Reset button: factory reset, LED mode control (normal/off)</p> <p>Serial console interface (proprietary, micro-B USB physical jack)</p> <p>Automatic thermal shutdown and recovery function</p>
Power sources	<p>The AP supports Power over Ethernet (PoE)</p> <p>Maximum (worst-case) power consumption: 10.9W</p>

	Maximum (worst-case) power consumption in idle mode: 4.7W
Wi-Fi features	Transmit Beamforming Passpoint Wi-Fi (Release 2) (Hotspot 2.0) Dynamic Frequency Selection (DFS) Maximum Ratio Combining (MRC) Cyclic Delay/Shift Diversity (CDD/CSD) Space-Time Block Coding Low-Density Parity Check (LDPC)
Warranty	Limited Lifetime Warranty