

## Technical Specifications

Brand	Hewlett-Packard Enterprise (HPE)
Country of Origin	U.S. A
Model	Aruba AP-505 WI-FI 6 Indoor Access Points
AP type	Indoor
Wi-Fi radio specifications	<p>Dual radio, 5 GHz and 2.4 GHz 802.11ax 2x2 MIMO Up to 256 associated client devices per radio and 16 BSSIDs per radio.</p> <p><b>5GHz radio: Two spatial stream Single User (SU) MIMO for up to 1.2 Gbps wireless data rate with 2SS HE80 802.11ax client devices</b></p> <p><b>2.4GHz radio: Two spatial stream Single User (SU) MIMO for up to 574 Mbps (287 Mbps) wireless data rate with 2SS HE40 (HE20) 802.11ax client devices</b></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>Two integrated dual-band downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.9 dBi in 2.4 GHz and 5.7 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 4.3 dBi in 2.4 GHz and 5.6 dBi in 5 GHz.</p>
Certifications	<p>Wi-Fi CERTIFIED a, b, g, n, ac</p> <p>Wi-Fi CERTIFIED 6 (ax)</p> <p>WPA, WPA2 and WPA3—Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE)</p> <p>WMM, WMM-PS, W-Fi Agile Multiband</p> <p>Bluetooth SIG and Wi-Fi CERTIFIED Location™</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>Factory reset, LED mode control (normal/off)</p> <p>Visual indicators For system and radio status</p>

Power sources	<p>The AP supports Power over Ethernet (PoE)</p> <p>Maximum (worst-case) power consumption in idle mode: 4.3W (DC) or 6.2W (PoE)</p> <p>Maximum (worst-case) power consumption in deep-sleep mode: 1.7W (DC) or 3.7W (PoE)</p>
Wi-Fi features	<p>Transmit Beamforming</p> <p>Passpoint Wi-Fi (Release 2) (Hotspot 2.0)</p> <p>Dynamic Frequency Selection (DFS)</p> <p>Maximum Ratio Combining (MRC)</p> <p>Cyclic Delay/Shift Diversity (CDD/CSD)</p> <p>Space-Time Block Coding</p> <p>Low-Density Parity Check (LDPC)</p>
<b>Warranty</b>	<b>Limited Lifetime Warranty</b>