

AT A GLANCE

WHY UPGRADE TO THE ARUBA 5XX SERIES ACCESS POINTS?

Can your Wi-Fi network support your hybrid workforce, latency-sensitive applications, and growing number of IoT devices – efficiently and securely? Be prepared to meet the ever-increasing demands for bandwidth and high performance with Wi-Fi 6 certified Aruba 5xx Series Access Points (APs). Wi-Fi 6 certification is designed to distinguish products and networks that meet the highest standards for security and interoperability to deliver exceptional user experience and wireless stability.

With Aruba's Wi-Fi 6 APs, enterprises large and small can deliver seamless and secure connectivity. Increase throughput capacity by up to four times that of 3xx Series Access Points (802.11ac Wave 2). Deliver greater multi-user efficiencies with enhanced MU-MIMO and OFDMA. Strengthen security with WPA3 and Enhanced Open for improved cryptographic strength and simpler deployment. Take full advantage of IoT with longer battery life for IoT devices using the Target Wake Time capability and a 20 MHz, low-power, low-bandwidth operating mode for devices.

Unique to Aruba, the 5xx Series APs include AI-powered RF optimization, zero downtime, and live software upgrades for uninterrupted, reliable performance. In addition, Bluetooth 5 and integrated 802.15.4 Zigbee protocols and extensible USB port support provide a secure, powerful platform to harness the power of IoT.

Aruba offers a full portfolio of Wi-Fi 6 APs to meet the wide range of enterprise needs, including:

- **500 Series Indoors:** ideal for medium-density offices, schools, or retail spaces
- **510 Series Indoors:** mid-range solution for campus deployments
- **530 Series Indoors:** for high-density mobile and IoT
- **550 Series Indoors:** extreme-density mobile-first and IoT environments



KEY BENEFITS

- **High-performance, extreme density:** Boost overall performance by nearly 3x the peak data rates per radio over 802.11ac
 - **Ultimate efficiency:** Built on Wi-Fi 6 standards, 5xx Series APs include features such as OFDMA, bidirectional MU-MMO, and Target Wake Time
 - **IoT and location-ready:** Provide support for Zigbee, Bluetooth 5, and third parties via a USB port to simplify the deployment and management of IoT services and provide telemetry for contact tracing dashboards in Aruba Central.
 - **Simple and secure access:** Protect the network with stronger encryption and authentication, secure credentials/keys storage, and user and IoT access policy enforcement firewalls.
 - **AI-powered automation:** Deliver SLA-grade application assurance and optimize RF connectivity.
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- **560/560EX Series:** small form for mid-range outdoor and hazardous locations
 - **570/570EX Series:** for extreme-density outdoor and hazardous locations
 - **500H Series Remote AP:** provides an in-office environment for hospitality, branch, and remote workers



	AP-3xx (campus)	AP-5xx (campus)
Wi-Fi generation	Wi-Fi 5 (802.11ac wave 2)	Wi-Fi 6 (802.11ax)
Highest order modulation	256-QAM	1024-QAM
Highest order of MIMO	4x4	8x8
Peak single-radio data rate	1.7Gbps	4.8Gbps
Peak per-chain conducted power	18dBm	18dBm
Coverage/range	+++	+++
Min/max SDRAM memory	512MB/512MB	1024MB/2048MB
Min/max FLASH memory	128MB/128MB	128MB/256MB
Integrated BLE	Yes (4.1)	Yes (5.0)
Integrated Zigbee	No	Yes
USB port	Yes (except AP-303)	Yes
IPM	Yes (except AP-303, AP-32x)	Yes
Deep-sleep mode (green AP)	No	Yes
TPM	Yes (1.2)	Yes (2.0)
ACC (cellular coexistence)	Yes	Yes
Limited Lifetime Warranty	Yes	Yes
Deploy with or without a gateway	AP-303 and AP-34x only	Yes

WHY CHOOSE ARUBA WI-FI?

- **Innovation:** Proven Wi-Fi leadership and innovation for 15 years and the first vendor to certify its portfolio on Wi-Fi 6.
- **Unified:** Comprehensive ESP solution with unified network operations across all domains and locations, including the broadest IoT support.
- **Automated:** Powered by AIOps to deliver SLA-grade application assurance and optimize RF connectivity.
- **Secure:** Backed by robust security with role-based policy enforcement and IoT protection.
- **Deploy the way you want:** Deployment for on-prem or cloud management with optional gateway all backed by a limited lifetime warranty.

MANAGE ON PREM OR IN THE CLOUD

Available management solutions include Aruba Central (available in cloud-managed and on-premises options), as well as Aruba AirWave, which supports multi-vendor networks. For large installations across multiple sites, APs can be factory-shipped and activated with zero-touch provisioning using either solution – reducing deployment time, centralizing configuration, and simplifying inventory management. In addition, Aruba Central delivers several cloud-native services that further streamline network operations. Among these capabilities are built-in, AI-driven analytics and intelligent alerts, which provide network operators the actionable insights required to proactively monitor, troubleshoot, and optimize wireless network performance.



CUSTOMER FIRST, CUSTOMER LAST SUPPORT

Partner with Aruba product experts to increase your team's productivity, keep pace with technology advances and software releases, and obtain break-fix support. We offer flexible options to meet your needs based on your wireless architecture. Our Foundation Care for Aruba support services include priority access to Aruba Technical Assistance Center (TAC) engineers 24x7x365, flexible hardware and onsite support options, and total coverage for Aruba products. Add Aruba Pro Care for fast access to Senior TAC Engineers, assigned as your single point of contact for your case, and reduce the time you spend on issues.

BECOME AN EXPERT

Aruba Education Services offers comprehensive training and certification programs from fundamental to advanced levels to give you the skills to fully utilize the power of Aruba Wi-Fi.

NETWORK AS A SERVICE

When your network needs exceed your network team's ability to meet expectations, consider Network-as-a-Service (NaaS) options from Aruba. HPE GreenLake for Aruba offers a pay-as-you-go flexibility and assured service delivery to address critical problems for organizations that need state-of-the-art network capabilities

Learn more at [Aruba wireless access points](#).