






Benefits of Upgrading to the Latest Cisco Wireless Products – Outdoor Access Points

Network requirements for the digital organization	Features	Wi-Fi 4 Cisco® Aironet® Access Points	Wi-Fi 5 Cisco Aironet Access Points	Wi-Fi 6 Cisco Catalyst Access Points	Benefits
		1530 and 1550 Series	1540, 1560, and 1570 Series	9124 Series	
 <p>Insights and experiences</p>	Maximum data rate	300 Mbps	867 Mbps (1540 Series), 1.3 Gbps (1560 and 1570 Series)	Up to 9.6 Gbps	Users gain a better experience with a better-performing network.
	Artificial Intelligence/ Machine Learning (AI/ML)	No	✓	✓	Unfolding AI/ML over your wireless deployment, Cisco DNA Center provides your next step in terms of increased performance, better efficiency and greater cost savings This allows for considerable network improvements in visibility, troubleshooting and even cybersecurity. AI/ML literally turns data into intuition, resulting in time savings and greater efficiency.

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	Cisco DNA Spaces	No	No	✓	Analyze visitor behavior, make guest Wi-Fi access easier, track assets quickly and accurately, and provide visitors with a better experience Cisco DNA Spaces expands its location cloud platform beyond Wi-Fi to BLE tags, beacons and other IoT sensors. With gateway-enabled Cisco Wi-Fi 6 access points, it can easily scale advanced use cases while lowering TCO.
	Cisco Connected Mobile Experiences (CMX)	No	Presence-only	✓	Provides location-based services to closest access point.
	Cisco Application Visibility and Control (AVC)	No	✓	✓	Visibility into 1000+ applications for capacity planning and prioritization.
	OFDMA	No	No	✓	Allows scheduling which splits the bandwidth into smaller chunks called Resource Units (RU). These RUs can be allocated to individual clients only in the downlink direction to reduce overhead and 50% less latency resulting in faster working apps

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	Target Wake Time	No	No	✓	A power savings mode lets users determine pre-scheduled times to exchange data with the AP. This allows for significant energy savings for battery- operated devices, up to 3-4x versus prior standards
	Intelligent Capture	No	No	✓	Probes the network and provides the Cisco DNA Center with deep data analysis
	Power over Ethernet (PoE) out capability	Yes (15W)	Yes (30W)	✓	Allows access point to power up devices that demand more power.
	PoE input	Proprietary	Standards based	✓	Access Points can be powered up through switches and industry-standard inputs.

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 <p>Automation and assurance</p>	Flexible antenna configuration	Yes (1530 Series), no (1550 Series)	✓	✓	Provides deployment flexibility.
	Apple FastLane	No	✓	✓	Enables iOS devices to intelligently communicate and fast-track a connection to the best-suited access point quickly and efficiently, while saving battery power.
	FastLane+	No	No	✓	In collaboration with Apple, FastLane+ builds on the current FastLane QoS capability by adding advanced scheduling intelligence to optimize the application experience.
	Cisco DNA Center	No	✓	✓	Simplifies network management by reducing risk and allowing for automating device deployment. Not only that but it lowers costs too.

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 <p>Security and compliance</p>	Cisco Identity Services Engine (ISE)	✓	✓	✓	A next-generation identity and access control policy platform that enforces compliance, enhances infrastructure security, and streamlines service operations.
	NetFlow	No	✓	✓	Provides a key set of services for IP applications, including network traffic accounting, usage-based network billing, network planning security, denial-of-service monitoring capabilities, and network monitoring.
	Cisco Stealthwatch®	No	✓	✓	Enables advanced network visibility, analytics, and protection by showing everything that happens across your network and data center.

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