Cisco Catalyst 9105 Series Access Points NEW

CISCO DESIGNED

The Most Reasonable & Versatile Wi-Fi 6 in Enterprise Grade

With the emergence of many Wi-Fi compliant and IoT devices, most are connected over Wi-Fi. Since most apps are network dependent, bandwidth intensive, and latency sensitive, we are more dependent on the wireless network than ever before. An increasing number of devices connect to the network every year, ranging from high-performance client devices to low-bandwidth IoT devices, which puts your current network at risk for slower speeds.

The **Cisco Catalyst 9105 Series Access Points** provide a seamless experience anywhere for everyone, with high scaling and unmatched performance in diverse network deployments. Going beyond the Wi-Fi 6 (802.11ax) standard, the Catalyst 9105 access points provide integrated security, resiliency, operational flexibility, and increased network intelligence.

Highlights

- Compact and Powerful
  - 2×2 uplink/downlink MU-MIMO with two spatial streams
  - PHY data rates up to 1.488 Gbps (80 MHz with 5 GHz and 20 MHz with 2.4 GHz)
  - Up to 29% smaller than similar competing products
  - Optimized power consumption
  - 2.5GE uplink and multiple downlinks to connect devices (Catalyst 9105t/w)
- IoT-Ready
  - Embedded IoT radios enable BLE 5.0 and Zigbee
  - Custom IoT app hosting with Docker-style containers
- Remote Worker Solution [Office Extend AP (OEAP) mode]
  - OfficeExtend AP (OEAP) mode enables secure access to corporate network without VPN
  - Zero-touch onboarding: Connect the access point out of the box without pre-provisioning by an IT admin
  - Directly connect to corporate SSID with encrypted link: No additional VPN is needed, encrypted connectivity through Datagram Transport Layer Security (DTLS)

Wi Fi 6 CERTIFIED

© 2020 Cisco and/or its affiliates. All rights reserved.

Cisco Catalyst 9105 Series Access Points NEW

CISCO DESIGNED

Cisco Catalyst 9100 Series Access Points Positioning Map

	Wi-Fi 6	Uplink	Wireless Client Density → High
High ←	8×8:8*1 (5 GHz) + 4×4:4 (2.4 GHz)	1 × 5GE	Dual 5 GHz, Tri Radio Catalyst 9130
	8×8:8 (5 GHz) + 4×4:4 (2.4 GHz)	1 × 5GE	 Catalyst 9117*2
	4×4:4 (5 GHz) + 4×4:4 (2.4 GHz)	1 × 2.5GE	Dual 5 GHz Catalyst 9120
	4×4:4 (5 GHz) + 4×4:4 (2.4 GHz)	1 × 2.5GE	 Catalyst 9115
Performance	2×2:2 (5 GHz) + 2×2:2 (2.4 GHz)	1 × 2.5GE (9105t/w) 1 × 1GE (9105i)	NEW Catalyst 9105

*1 Single 8×8:8 or dual 4×4:4. *2 Wi-Fi 6 compatible (not certified).

© 2020 Cisco and/or its affiliates. All rights reserved.

Cisco Catalyst 9105 Series Access Points NEW

CISCO DESIGNED

Cisco Catalyst 9105 Series Access Points

Product SKU	Service SKU CSE 8×5×NBD	Software Image	Radio					Uplinks		Downlinks		PoE (PD)			Power Supply
			2.4 GHz	5 GHz	BLE	Antenna	Clients	1GE RJ45	2.5GE RJ45	1GE RJ45	1GE PoE RJ45	802.3af	802.3at	802.3bt	
C9105AXI-EWC-*x*[*1]	CON-SMBS-*xxxxxxxx*	EWC[*1]	11ax 2×2:2	11ax 2×2:2	✓	Internal	400	1				✓	✓	✓	
C9105AXI-*x*	CON-SMBS-*xxxxxxxx*	CAPWAP	11ax 2×2:2	11ax 2×2:2	✓	Internal	400	1				✓	✓	✓	
C9105AXIT-*x*[*2]	CON-SMBS-*xxxxxxxx*	CAPWAP[*3]	11ax 2×2:2	11ax 2×2:2	✓	Internal	400		1	2	1	✓[*4]	✓	✓	
C9105AXW-EWC-*x*[*1]	CON-SMBS-*xxxxxxxx*	EWC[*1]	11ax 2×2:2	11ax 2×2:2	✓	Internal	400		1	2	1	✓[*4]	✓	✓	
C9105AXW-*x*	CON-SMBS-*xxxxxxxx*	CAPWAP	11ax 2×2:2	11ax 2×2:2	✓	Internal	400		1	2	1	✓[*4]	✓	✓	

*1 Coming soon (EWC will be available with the Cisco IOS XE 17.4 release in Q4CY20). *2 Coming soon (November 2020).
*3 Office Extend AP (OEAP) mode only. *4 Some features are disabled when powered via 802.3af PoE.

Small Form Factor for Easy Placement

© 2020 Cisco and/or its affiliates. All rights reserved.

Cisco Catalyst 9105 Series Access Points NEW

Cisco DNA Licenses for Wireless

Software Package	Product SKU		
	3-Years	5-Years	7-Years
Cisco DNA Essentials*1	AIR-DNA-E-3Y	AIR-DNA-E-5Y	AIR-DNA-E-7Y
Cisco DNA Advantage*2	AIR-DNA-A-3Y	AIR-DNA-A-5Y	AIR-DNA-A-7Y
Cisco DNA Premier*3	AIR-DNA-P-3Y	AIR-DNA-P-5Y	AIR-DNA-P-7Y

*1 AIR-DNA and AIR-DNA-E are required in CCW. *2 AIR-DNA and AIR-DNA-A are required in CCW.
*3 AIR-DNA and AIR-DNA-P are required in CCW.

Cisco Catalyst Power Injectors

Product SKU	Description	Compatible Model		
		9105i	9105t	9105w
AIR-PWRINJ5=	Power Injector (802.3af)	✓	✓*1	✓*1
AIR-PWRINJ6=	Power Injector (802.3at)	✓	✓	✓

*1 Some features are disabled.

Ordering and Licensing Guide

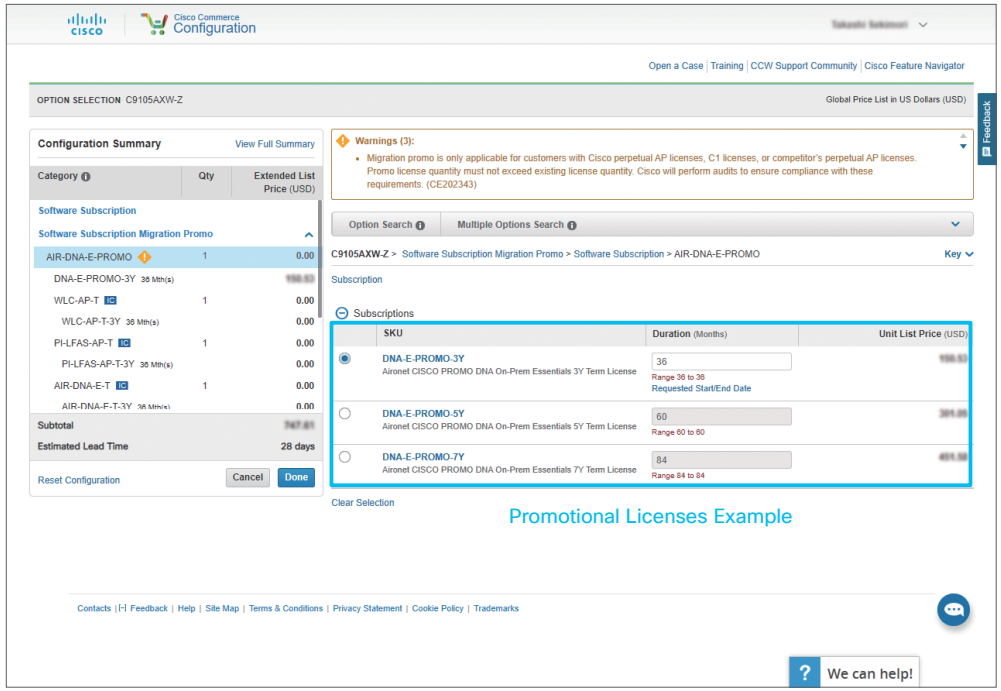
We recommend **Cisco DNA License** to be ordered along with your access point in order to maximize the solution benefits.
A **Cisco Smart Account** is needed when ordering an access point.
The Cisco Smart Account is a new solution that provides a central location to manage Cisco software licenses across an entire organization, allowing partners and customers to optimize their software management.
To obtain a Cisco Smart Account, visit **Cisco Software Central** and select the [**Request a Smart Account**] option under the [**Administration**] heading.

software.cisco.com

First Year On Us Promotion

Get one year free on a Cisco DNA Software for Wireless subscription when you purchase one or more Cisco Catalyst 9100 Series Access Points or Cisco Catalyst 9800 Series Wireless Controllers. This offer is available globally and is valid through January 23, 2021.

www.cisco.com/c/en/us/solutions/enterprise-networks/enable-business-continuity-using-your-network/first-year-on-us-wireless-software-subscription.html



Promotional Licenses Example

© 2020 Cisco and/or its affiliates. All rights reserved.

Cisco Catalyst 9105 Series Access Points NEW

Enable Enterprise-class Wi-Fi for SMB

The Cisco Embedded Wireless Controller (EWC) on Catalyst Access Points offers simplicity without compromise. As the next-generation Wi-Fi solution for SMB customers, Cisco EWC combines controller functions from the Cisco Catalyst 9800 Series Wireless Controllers with the latest Cisco Catalyst 9100 Series Access Points. This means you get a best-in-class wireless experience for your evolving and growing organization. Powered by intent-based networking from Cisco DNA, Cisco EWC offers enterprise-class resiliency, security, and intelligence for single or multi-site enterprise deployments without the need to buy physical controllers.

- **Resilient**
  Service maintenance updates and built-in redundancy with an active and standby controller ensures your Wi-Fi network is always on.
- **Secure**
  With features like rogue detection, classification containment, and more, your network's integrity is protected.
- **Intelligent**
  Automated provisioning and deeper telemetry data collection for actionable insights. When paired with Cisco DNA, your network works for you by providing enhanced analytics for better efficiency.
- **IT Simplicity**
  Answer a few simple questions using the web UI or mobile application, and your wireless network is up and running.

Wireless Control Function
Right into Cisco Catalyst 9100 Series Access Points

© 2020 Cisco and/or its affiliates. All rights reserved.

Cisco Catalyst 9105 Series Access Points NEW

CISCO DESIGNED

Key Benefits

Low-Cost "Set-It-and-Forget-It" Solution

With Cisco EWC, you get an affordable Cisco enterprise-class wireless solution without physical controller cost and includes best practices enabled by default. This allows you to focus on achieving your business outcomes rather than worrying about the network.

Easy Deployment and Simplified Management

- Deploy in minutes using a mobile app and web UI
- Provision and extend via the mobile app and web UI
- Simplified dashboard in the mobile app and web UI to monitor, manage, and modify

Always-On Wi-Fi

- Active and standby EWC access points for network redundancy and minimum downtime
- Seamless software updates for quick fixes on bugs and fast rollout of new access points with no network interruptions

Safe, Self-Healing, and Self-Optimizing Wi-Fi

- Secure your devices, air, and network with Cisco CleanAir, Spectrum Intelligence, rouge detection, and mitigation
- Protect the employee and guest networks with robust 802.1X security, Cisco Umbrella DNS, and Walled Garden
- Defend user and IoT devices with Cisco Umbrella DNS and Identity PSK

Intelligent

- Plug-n-play, automation, and assurance via Cisco DNA Center
- Streaming telemetry data and intelligent captures for network visibility and business insights

Optimizing the User Experience

Control and prioritize the applications in your network with Cisco Application Visibility and Control. Optimize the Wi-Fi experience for iOS devices and business applications as a result of the Apple and Cisco partnership. Set up, troubleshoot, and manage single or multiple sites with a mobile app, WebUI, Cisco Prime, or Cisco DNA Center.

Best-in-Class Guest and User engagement Experience

Offer flexible guest onboarding options with built-in internal or external guest splash pages and authentication options, including social login integration. Seamless integration with Cisco DNA Spaces helps you gain insights and drive engagement with customers.

Flexible and Scalable with Investment Protection

Start with the right number of access points for your organization. Then simply add more as your Wi-Fi coverage and capacity needs expand. Reuse the same access points and connect them to a physical controller if needed to allow a switch to a controller-based network. Use Cisco DNA Center to manage multiple EWC Wi-Fi sites for your distributed enterprises.

© 2020 Cisco and/or its affiliates. All rights reserved.