Cisco Wireless Portfolio

Access Points

Cisco Aironet 3600 Series Access Points with CleanAir Technology

Cisco Aironet 3600 Series Access Points with Cisco CleanAir technology are the first 802.11n access points to support 802.11n-based 4x4 MIMO with 3 Spatial Streams.

- Delivering up to three times more coverage versus competition for tablets, smartphones, and high performance laptops
- Cisco CleanAir™ technology enables a self-healing, self-optimizing wireless network
- Cisco ClientLink 2.0 improves reliability and coverage for one, two, or three spatial streams and 802.11a/g/n clients
- Cisco BandSelect improves 5-GHz client connections in mixed-client environments
- Cisco VideoStream uses multicast to improve rich-media applications
- Flexible add-on security monitor module, or 802.11ac module (both available Q1FY13)
- Standard 802.3af Power over Ethernet
- Cisco Aironet 3600i Access Point has internal antennas for typical office deployments
- Cisco Aironet 3600e Access Point is for rugged environments and requires external antennas
- Antenna Product Portfolio for Cisco Aironet 802.11n Access Points

Indoor Access Points (Office Environments)

- AIR-CAP3602I-x-K9 Internal Antennas
- AIR-CAP3602E-X-K9 External Antennas
- AIR-CAP3602I-xK910 — Internal Antenna eco-pack 10
- AIR-CAP3602E-xK910 — External Antenna eco-pack 10

Access Points

Cisco® Aironet® 2600 Series Access Points with CleanAir Technology

- Cisco Aironet 2600 Series Access Points with Cisco CleanAir technology sets the standard for enterprise wireless technology by offering great performance, functionality, and reliability at a competitive price
- Supports 802.11n with 3 x 4 MIMO technology with three spatial streams to sustain 450 Mbps rates over a greater range for more capacity and reliability than competing access points
- Cisco ClientLink 2.0 technology for better downlink performance and range for all mobile devices and better battery life on mobile devices such as smartphones and tablets
- Cisco CleanAir technology for proactive, intelligent spectrum intelligence to combat performance problems due to RF interference
- Cisco Aironet 2600i Access Point has internal antennas for typical office deployments
- Cisco Aironet 2600e Access Point is for rugged environments and requires external antennas
- Antenna Product Portfolio for Cisco Aironet 802.11n Access Points

The Cisco Aironet 2600i Access Point: Indoor Environments with Internal Antennas

- AIR-CAP2602I-x-K9: Dual-band controller-based 802.11a/g/n
- AIR-CAP2602I-xK910: Eco-pack (dual-band 802.11a/g/n) 10 quantity access points
- AIR-SAP2602I-x-K9: Dual-band autonomous 802.11a/g/n
- AIR-SAP2602I-x-K95: Eco-pack (dual-band 802.11a/g/n) 5 quantity access points

The Cisco Aironet 2600e Access Point: Indoor, Challenging Environments with External Antennas

- AIR-CAP2602E-x-K9: Dual-band controller-based 802.11a/g/n
- AIR-CAP2602E-xK910: Eco-pack (dual-band 802.11a/g/n) 10 quantity access points
- AIR-SAP2602E-x-K9: Dual-band autonomous 802.11a/g/n
- AIR-SAP2602E-x-K95: Eco-pack (dual-band 802.11a/g/n) 5 quantity access points

Cisco® Aironet® 1600 Series Access Points

- Cisco Aironet 1600 Series Access Point provides a low total cost of ownership by integrating seamlessly with existing network
- Standard 802.3af Power over Ethernet
- Cisco Aironet 1600i Access Point has internal antennas for typical office deployments
- Cisco Aironet 1600e Access Point is for rugged environments and requires external antennas
- Antenna Product Portfolio for Cisco Aironet 802.11n Access Points

The Cisco Aironet 1600i Access Point: Indoor Environments with Internal Antennas

- AIR-CAP1602I-x-K9 Dual-Band Controler based 802.11a/g/n
- AIR-CAP1602I-x-K910 – eco-pack 10
- AIR-SAP1602i-X-K9 – Dual Band Stand Alone – 802.11a/g/n
- AIR-SAP1602i-X-K9 5 – eco pack 5

The Cisco Aironet 1600i Access Point: Indoor Environments with External Antennas

- AIR-CAP1602E-x-K9 – Dual-band controller-based 802.11a/g/n
- AIR-CAP1602E-xK910 – Eco-pack (dual-band 802.11a/g/n) 10 quantity access points
- AIR-SAP1602E-x-K9 – Dual-band stand-alone 802.11a/g/n
- AIR-SAP1602E-xK9-5 – Eco-pack (dual-band stand-alone 802.11a/g/n) 5 quantity access points

Access Points

Cisco Aironet 1550 Series Access Points

The Cisco Aironet 1550 Series is an 802.11n outdoor access point designed for outdoor access or wireless mesh.

· 802.11a/b/g/n multiple-input multiple-output (MIMO)

· Service provider support: Wi-Fi for next-generation mobile data offload

· RF excellence for reliable data and video

· Available with internal or external antenna

· Models available for hazardous locations

· Cable modem integration for extended connectivity

External Antenna
· AIR-CAP1552E-X-K9

Integrated Antenna
· AIR-CAP1552I-X-K9

With Cable Modem
· AIR-CAP1552C-X-K9

For Hazardous Locations
· AIR-CAP1552H-X-K9

Cisco Aironet 600 Series OfficeExtend Access Points

The Cisco Aironet 600 Series is a simultaneous dual-band 802.11n access point designed for the home telework environment or small, remote offices.

· Secure access from the home to the corporate environment

· Segmentation of personal network traffic from corporate traffic

· Controller-based deployment

· Does not support Cisco CleanAir technology

· AIR-OEAP6021-X-K9—802.11a/g/n

· AIR-OEAP6021-X-K9—Eco-pack (10 quantity)

Wireless Controllers
NOTE: The following controllers support Cisco CleanAir technology when operating with Cisco Unified Wireless Network Software Version 7.0 or later.

Cisco 8500 Series Wireless Controller

· Designed for High Performance and Maximum Scalability

· Vastly scalable with a centralized touch-point, single rack-unit (1RU) for up to 6,000 access points, 64,000 clients, and 6,000 branch locations

· High speed with 10 Gigabit Ethernet connectivity support: 2 x 10 Gigabit Ethernet ports for redundancy

· High-availability with sub-second AP stateful fail-over ensuring access point state maintenance and avoiding re-initialization process

· Resiliency with redundant dual power supplies

· AIR-CT8510-300-K9 (300 access points)

· AIR-CT8510-500-K9 (500 access points)

· AIR-CT8510-1K-K9 (1000 access points)

· AIR-CT8510-3K-K9 (3000 access points)

· AIR-CT8510-6K-K9 (6000 access points)

· AIR-CT8510-SP-K9 (zero access points)

· AIR-CT85DC-SP-K9 (zero access points)

· AIR-CT8510-HA-K9 (High availability controller for up to 6000 access points)

Wireless Controllers
NOTE: The following controllers support Cisco CleanAir technology when operating with Cisco Unified Wireless Network Software Version 7.0 or later.

Cisco Flex 7500 Series Cloud Controllers

The Cisco Flex 7500 Series Cloud Controller is a highly scalable centralized controller for lean branch deployments.

- Supports up to 6000 branch locations
- Configure, manage, and troubleshoot up to 6000 access points and 64,000 clients from the data center
- Supports up to 100 access points in a single FlexConnect group
- Two 10 Gigabit Ethernet ports for redundant connectivity
- WAN tolerance and survivability features specifically designed for multisite wireless deployments
- Supports Cisco ClientLink and CleanAir technologies
- Secure guest access, rogue detection for Payment Card Industry (PCI) compliance
- In-branch (locally switched) Wi-Fi voice and video
- Pay as you grow licensing starting at 300 access point support
- Standalone, rack-mountable appliance

- AIR-CT7510-300-K9 (300 access points)
- AIR-CT7510-500-K9 (500 access points)
- AIR-CT7510-1K-K9 (1000 access points)
- AIR-CT7510-2K-K9 (2000 access points)
- AIR-CT7510-3K-K9 (3000 access points)
- AIR-CT7510-6K-K9 (6000 access points)
- AIR-CT7510-HA-K9 (High availability controller for up to 6000 access points)

Cisco 5500 Series Wireless Controllers

The Cisco 5500 Series Wireless Controller simplifies deployment and operation of wireless network for mid-sized to large deployments and campus environments.

- Supports up to 500 access points and 7000 clients
- 802.11n-ready support up to 8-Gbps throughput
- Eight 1 Gigabit Ethernet ports, with Link Aggregation Groups (LAG) support
- Supports Cisco CleanAir and ClientLink
- Standalone, rack-mountable appliance

- AIR-CT5508-12-K9 (12 access points)
- AIR-CT5508-25-K9 (25 access points)
- AIR-CT5508-50-K9 (50 access points)
- AIR-CT5508-100-K9 (100 access points)
- AIR-CT5508-250-K9 (250 access points)
- AIR-CT5508-500-K9 (500 access points)
- AIR-CT508-HA-K9 (High availability controller for up to 500 access points)

Cisco Virtual Wireless Controller

- Virtual form-factor controller for any x86 server with VMWare Hypervisor ESXi4.x or 5.x
- Supports 200 access points and 3,000 clients
- Supports 200 branches
- Up to 100 APs per branch
- Co-reside with other virtualized network services – Identity Services Engine (ISE), Cisco Prime Infrastructure, Mobility Services Engine (MSE)

- L-AIR-CTVM-5-K9 (5 access points)
- L-LIC-CTVM-UPG (top level sku for adder licenses)
- L-LIC-CTVM-1A (1 access point adder license)
- L-LIC-CTVM-5A (5 access point adder license)
- L-LIC-CTVM-25A (25 access point adder license)

CISCO

Wireless Controllers
NOTE: The following controllers support Cisco CleanAir technology when operating with Cisco Unified Wireless Network Software Version 7.0 or later.

	Cisco 2500 Series Wireless Controller Cisco 2500 Series Wireless Controller is an entry-level 802.11n controller that enables systemwide wireless LAN functions in small to medium-sized enterprises and branch offices. • Support for up to 75 access points and 1000 clients • 802.11n-ready support up to 1 Gbps • Four 1 Gigabit Ethernet ports • Supports Cisco CleanAir, VideoStream, and ClientLink technologies • Payment Card Industry (PCI) functionality for scanner and kiosk • Pay as you grow licensing starting at support for five access points • Standalone small form-factor	• AIR-CT2504-5-K9 (5 access points) • AIR-CT2504-15-K9 (15 access points) • AIR-CT2504-25-K9 (25 access points) • AIR-CT2504-50-K9 (50 access points)
	Cisco Wireless Controller on the Cisco Services Ready Engine (SRE) Cisco SRE Modules are router blades for the Cisco Integrated Services Routers Generation 2 (ISR G2). • Entry-level 802.11n controller application for small to medium-sized enterprises and branch offices • ISM-300 supports up to 10 access points • SM-700/SM-900 supports up to 50 access points • Quickly deploy wireless on-demand, reduce operating costs, and consolidate the branch office infrastructure • Supports Cisco VideoStream technology • Payment Card Industry (PCI) functionality for scanner and kiosk support • Pay as you grow licensing starting at support for five access points • Supported on the Cisco 1941 ISR G2 and Cisco 2900 and 3900 Series ISR G2 routers • Integrated ISR G2 module (supports one wireless module per ISR G2)	• LIC-SRE-WLC-UPG • FL-SRE-WLC-5 (5 access points) • FL-SRE-WLC-25 (25 access points)

Wireless Controllers
NOTE: The following controllers support Cisco CleanAir technology when operating with Cisco Unified Wireless Network Software Version 7.0 or later.

Cisco Wireless Services Module 2 (WiSM2) for Cisco Catalyst 6500 Series Switches

Cisco WiSM2 adds wireless LAN controller functions to Cisco Catalyst® 6500 Series Switches.

- Large deployments up to 500 access points and 10,000 clients
- 802.11n-ready support for up to 10 Gbps
- Supports a higher client density, roaming across over wider geographic areas, and faster performance for simultaneous applications
- Supports Cisco CleanAir, VideoStream, and ClientLink technologies
- Pay as you grow licensing starting at support for 100 access points
- Embedded system for Cisco Catalyst 6500 Series Switches
- Implement up to seven Cisco WiSM2 blades per Cisco Catalyst 6500 Series Switch chassis for added scalability

- WS-SVC-WISM2-1-K9 (100 access points)
- WS-SVC-WISM2-3-K9 (300 access points)
- WS-SVC-WISM2-5-K9 (500 access points)
- WS-SVC-WISM2-K-K9 (1000 access points)
- WS-SVC-WISM2-HA-K9 (High availability controller for up to 1000 access points)

Wireless Network Management
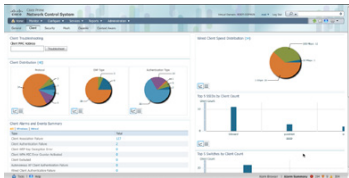
Cisco Prime Infrastructure 1.2

Cisco Prime™ infrastructure is a complete, end-to-end network management solution for the lifecycle of wireless and wired networks.

- Intuitive dashboard provides complete visibility into endpoint, users, infrastructure devices, and policy compliance—regardless of network or location
- Converged user, access, and identity management across wired and wireless networks eases the IT burden imposed by Bring Your Own Device (BYOD) evolution
- Endpoint identity policy monitoring through integration with Cisco Identity Services Engine (ISE)
- Highly scalable platform meets the needs of small, mid-sized, and large-scale networks
- Supports up to 15,000 controller-based access points, 5000 standalone access points, and 5000 Cisco Catalyst Switches
- Converged approach enables IT to move from a box management to user-focused management approach
- Real-time monitoring speeds troubleshooting for the top reported customer pain point: network problems related to client devices

Physical Appliance
- PRIME-NCS-APL-K9

NCS Virtual Appliance Software and Device Count License
- L-NCS-1.0-K9 (K9 = 50, 100, 500, 1K, 2.5K, 5K, 10K)

NCS Add-on License
- L-NCS-1.0-ADD-K9 (k9 = 50, 100, 500, 1K, 2.5K, 5K, 10K)

Cisco Prime Infrastructure 1.1 Software and Base License
- R-PI-1.1-x-K9 (x=number of supported devices. Licenses available for 50, 100, 500, 1K, 2.5K, 5K, 10K)

Cisco Prime Infrastructure is available as an upgrade for customers with existing Cisco Prime LAN Management Solutions (LMS) or Cisco Prime Network Control System (NCS) installations. For more information, please see the Prime Infrastructure 1.1 Ordering and Licensing Guide.

Mobility Services

Cisco 3300 Series Mobility Services Engine

The Cisco 3300 Series Mobility Services Engine (MSE) is an appliance-based, open platform for delivering centralized and scalable mobility services to enable mobile business applications across wired and wireless networks.

- Integrates with Cisco CleanAir technology to enable crucial forensics and policy enforcement capabilities and create a self-healing, self-optimizing network
- Supports an open API for easy integration with enterprise and mobile applications, as well as the development of industry-relevant services
- Supports Cisco Context-Aware Software and Cisco Adaptive Wireless Intrusion Prevention System (wIPS)

Physical Appliances

Cisco 3355 Mobility Services Engine supports up to 18,000 endpoints or 3000 wIPS Monitor or Enhanced Local Mode access points.

- AIR-MSE-3355-K9

Cisco 3310 Mobility Services Engine supports up to 2000 endpoints or 2000 wIPS Monitor or Enhanced Local Mode access points.

- AIR-MSE-3310-K9

Cisco 3350 Mobility Services Engine

- AIR-MSE-3350-K9

Cisco 3310 Mobility Services Engine

- AIR-MSE-3310-K9

Bundles

Mobility Services Engine 3310, 1000-device Context-Aware License, and five Adaptive wIPS licenses.

- AIR-MSE-B-C1-W5

Mobility Services Engine 3355, 3000-device Context-Aware License, and 25 Adaptive wIPS licenses.

- AIR-MSE-B4-C3-W25

Mobility Services Engine 3310 with client license for 50, 100, or 500 access points with Cisco CleanAir technology.

- AIR-CCA-50, AIR-CCA-100, or AIR-CCA-500

Mobility Services

Cisco Context-Aware Mobility Software

Cisco Conext-Aware Mobility Software enables you to locate rogue devices, sources of wireless interference, and wired clients on your network in real time.

- Centralizes collection of network intelligence on the physical location and history of wireless interferers and devices
- Makes the information on interference accessible to Cisco CleanAir technology

By Number of Endpoints Tracked

1000 Endpoints

- Physical Delivery: AIR-CAS-1KC-K9
- Electronic Delivery: L-CAS-1KC

3000 Endpoints

- Physical Delivery: AIR-CAS-3KC-K9
- Electronic Delivery: L-CAS-3KC

6000 Enpoints

- Physical Delivery: AIR-CAS-6KC-K9
- Electronic Delivery: L-CAS-6KC

12,000 Endpoints

- Physical Delivery: AIR-CAS-12KC-K9
- Electronic Delivery: L-CAS-12KC

By Number of Wi-Fi Tags Tracked

1000 Wi-Fi Tags

- AIR-CAS-1KT-K9

3000 Wi-Fi Tags

- AIR-CAS-3KT-K9

6000 Wi-Fi Tags

- AIR-CAS-6KT-K9

12,000 Wi-Fi Tags

- AIR-CAS-12KT-K9

CISCO

Mobility Services

Cisco Adaptive Wireless Intrusion Prevention Software (wIPS)

- Advanced network security for dedicated monitoring and detection of wireless network anomalies, unauthorized access, and RF attacks
- Maintains a constant awareness of your RF environment to minimize legal liability, protect your brand reputation, and assure regulatory compliance
- Reduces capital investment through Enhanced Local Mode that allows the same access points used for data, voice, and video traffic to provide Adaptive Wireless IPS functionality

Monitor Mode
By Number of Cisco Access Points

- 5–Physical Delivery: AIR-WIPS-AP-5, Electronic Delivery: L-MM-WIPS-5
- 25–Physical Delivery: AIR-WIPS-AP-25, Electronic Delivery: L-MM-WIPS-25
- 100–Physical Delivery: AIR-WIPS-AP-100, Electronic Delivery: L-MM-WIPS-100
- 500–Physical Delivery: AIR-WIPS-AP-500, Electronic Delivery: L-MM-WIPS-500
- 2,000–Physical Delivery: AIR-WIPS-AP-2000, Electronic Delivery: L-MM-WIPS-2000

Enhanced Local Mode
By Number of Cisco Access Points

- 5–Physical Delivery: AIR-LM-WIPS-5, Electronic Delivery: L-LM-WIPS-5
- 25–Physical Delivery: AIR-LM-WIPS-25, Electronic Delivery: L-LM-WIPS-25
- 100–Physical Delivery: AIR-LM-WIPS-100, Electronic Delivery: L-LM-WIPS-100
- 500–Physical Delivery: AIR-LM-WIPS-500, Electronic Delivery: L-LM-WIPS-500
- 2,000–Physical Delivery: AIR-LM-WIPS-2000, Electronic Delivery: L-LM-WIPS-2000

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