CISCO START
Simple Secure Smart

Cisco On Premise Wireless Portfolio

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Cisco Wireless Achievements

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$2.5 Bn
in revenue

48%
Market Share No. 1

3.5%
YoY growth

- 12 years plus Gartner MQ leadership
- 600,000+ unique WLAN customers
- Comprehensive on premise and cloud-managed wireless and wired portfolios
- Installed in 95% of the Fortune 1,000 companies
- Wireless R&D spend >$400mil per year

Source: *IDC Worldwide WLAN Market report – Q3CY15

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Best in Class 802.11ac Wave 2 Access Point

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Cisco Aironet® 3800 Series	Cisco Aironet® 2800 Series
Best of INTEROP 2016 Awards	
Industry leading 4x4 MIMO:3 spatial streams (SS) Wave 2 802.11ac access points	Dual radio, 802.11ac Wave 2, 160 MHz
Combined Data Rate of 5.2Gbps	2 x 5 GHz: 4x4: 3SS supporting – SU-MIMO / MU-MIMO – Flexible Radio Assignment: 2.4GHz, Dual-5GHz, Wireless Security Monitoring, Wireless Service Assurance*, or Enhanced Location*
HDX Technology	Enhanced Location using External Antennas*
USB 2.0	Internal and external antenna models
Smart Antenna Connector - 2nd Antenna Connector	
Gigabit Ethernet and multi-Gigabit Ethernet (1G, 2.5G, 5G) Modularity: Side Mount Modular	2 x Gigabit Ethernet with LAG

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* Post-FCS

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Enterprise-Class 802.11ac Wave 2 Access Points

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Cisco Aironet® 1830

- 870 Mbps PHY
- 3x3:2SS
- Spectrum Analysis*
- Tx Beam Forming
- 1 GE Port, USB 2.0
- Mobility Express

Cisco Aironet® 1850

- 1.7 Gbps PHY
- 4x4:4SS
- Spectrum Analysis*
- Tx Beam Forming
- 2 GE Ports, USB 2.0
- Mobility Express

Cisco Aironet® 1810 Wall Plate

- 2x2:2SS 80 MHz;
- 867 Mbps
- Tx Beam Forming
- 1 GE Port uplink
- 3 GE Local Ports, including 1 PoE out
- Local ports 802.1x ready
- Integrated BLE Gateway*

Cisco Aironet® 1810 Teleworker

- 2x2:2SS 80 MHz;
- 867 Mbps
- 3 GE Local Ports downlink, including 1 PoE out
- One or Two Local Ports can be tunneled back to corporate

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* Future availability

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Cisco Aironet Outdoor Access Points

Industry's Best 802.11n & 802.11ac Access Point Series

Aironet 1532

Enterprise Level | Low Profile, Low Price

802.11n | 2G: 3x3:3; 5G: 2x3:2 | In/External Antennas

Aironet 1562

802.11ac Wave 1 | 4x4:3 | NG-Cable: 24x8 | In/External Antennas

802.11ac wave 2 | Support HDX | Cisco CleanAir

Aironet 1572

High-end Enterprise | MSO, Industrial, Manufacturing | Modular: Future proof

802.11ac Wave 1 | 4x4:3 | NG-Cable: 24x8 | In/External Antennas

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Cisco Comprehensive Aironet Access Point Portfolio

Positioned to Capture the 802.11ac Wave 2 Transition

1810 Wall Plate		Purpose built wired and wireless | 1GE Port uplink | Dormitory, Hospitality	2x2:2SS	80MHz	867Mbps
1810 Teleworker		Purpose built wired and wireless | 2 ports tunnel to corporate | Teleworker, small branch	2x2:2SS	80MHz	867Mbps
1830 series		Enterprise-Class | Small-Mid deployments | Mobility Express enabled	3x3:2SS	80MHz	867Mbps
1850 series		Enterprise-Class | Small-mid deployments | Mobility Express enabled	4x4:3SS	80MHz	1.7Gbps
2800 series		Mission Critical | Mid-Enterprise deployments | High density environments	4x4:3SS	160MHz	2.4Gbps
3800 series		Best in Class | Mid-Enterprise deployments | High density environments	4x4:3SS	160MHz	2.4Gbps

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Cisco Aironet Access Points Transition Guide

Cisco Aironet On Premise Indoor Access Points

802.11n	802.11ac Wave 1	802.11ac Wave 2
Cisco Aironet 600 Series OfficeExtend	-	Cisco Aironet 1810 Series OfficeExtend
Cisco Aironet 700 Series	-	Cisco Aironet 1830 Series
Cisco Aironet 700W Series	-	Cisco Aironet 1810W Series
Cisco Aironet 1040 Series Cisco Aironet 1600 Series	Cisco Aironet 1700 Series	Cisco Aironet 1850 Series
Cisco Aironet 1140 Series Cisco Aironet 1250 Series Cisco Aironet 1260 Series Cisco Aironet 2600 Series	Cisco Aironet 2700 Series	Cisco Aironet 2800 Series
Cisco Aironet 3500 Series Cisco Aironet 3600 Series	Cisco Aironet 3700 Series	Cisco Aironet 3800 Series

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Cisco Aironet Controller Portfolio

Positioned to Capture the 802.11ac Wave 2 Transition

Scalability

Performance

Small to Midsize

Mobility Express

- Controller software is built into Access Point (AP)
- Controller function supports up to 25 AP
- Supported on Cisco Aironet 1830, 1850, 2800 and 3800 Series
- Can control other Aironet access points such as 1700, 2700, 3700
- No additional licensing costs

Medium to Large

5520

- Supports up to 1,500 AP's and 20,000 clients
- Optimize 802.11ac wave 2 with up to 20 Gbps throughput
- 1 RU form factor
- Supports centralized, FlexConnext, and mesh deployment modes
- Dual 1G or 10G ports with LAG

Enterprise Class

8540

- Supports up to 6,000 AP's and 64,000 clients
- Optimize 802.11ac wave 2 with up to 40 Gbps throughput
- 2 RU form factor
- Supports centralized, FlexConnext, and mesh deployment modes
- Four 1G or 10G ports with (LAG)

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Cisco Wireless Controller Deployment Mode Compatibility Comparison

Platform	Deployment Modes					
	Mobility Express	FlexConnect	Converged Access	Centralized	Mesh	OfficeExtend
Cisco Aironet 1830/1850 Series Access Points	●	–	–	–	–	–
Cisco Aironet 2800/3800 Series Access Points	●	–	–	–	–	–
Cisco Aironet 1560 Series Outdoor Access Points	● *1	–	–	–	–	–
Cisco 2500 Series Wireless Controller	–	●	–	●	●	●
Cisco Virtual Wireless Controller	–	●	–	–	–	
Cisco 5500 Series Wireless Controller	–	●	● *2 *3	●	●	●
Cisco Wireless Services Module 2 (WiSM2)	–	●	● *2 *3	●	●	●
Cisco 8500 Series Wireless Controller	–	●	–	●	●	●

*1 Cisco Aironet 1560 Series are to be supported in future software release. *2 Cisco Wireless Controller Software release 7.3.112.0 is required. *3 Cisco AireOS 8.1 and higher are not supported

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