



# Cisco On Premise Wireless Portfolio

Second edition: Aug 2017

# Cisco Wireless achievements

\$2.5 Bn  
in revenue



46%  
APJ 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

# Best in class 802.11ac Wave 2 access point



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

Cisco Aironet®  
3800 Series



Cisco Aironet®  
2800 Series



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 - 2<sup>nd</sup> antenna connector

Gigabit Ethernet and multi-Gigabit Ethernet (1G, 2.5G, 5G)  
Modularity: Side mount modular

2 x Gigabit Ethernet with LAG

\* Post-FCS

# Low cost high performance

## Cisco Wave 2 Aironet 1815 Series

New



Cisco Aironet® 1815 Series

Education

Tele-Worker

Hospitality

- Comprised of four separate low-cost, sleek APs
- Minimizing total cost of ownership while delivering advanced features
- Easy to deploy and manage with Cisco mobility express
- Integrated Bluetooth low energy radio\*

AIR-AP1815i-x-K9/K9C  
Indoor

AIR-AP1815m-x-K9/K9C  
High power

AIR-AP1815w-x-K9/K9C  
Wall plate

AIR-AP1815t-x-K9  
Teleworker

Ideal for small to medium sized indoor deployments

# Low cost high performance

## Cisco Wave 2 Aironet 1815 Series

Cisco Aironet®  
1815i indoor



- 2x2:2SS MU-MIMO
- 867Mbps
- Dual radio, dual band, 80MHz
- Integrated bluetooth low energy radio
- Sleek design in a small form factor: 150x150x33mm
- 1x 1Gb uplink Ethernet port (PoE)
- Mobility express enabled up to 50 AP

Cisco Aironet®  
1815m high power



- 2x2:2SS MU-MIMO
- 867Mbps
- Dual radio, dual band, 80MHz
- Integrated bluetooth low energy radio
- Sleek design in a small form factor: 150x150x33mm
- 1x 1Gb uplink Ethernet port (PoE)
- Mobility express enabled up to 50 AP
- +4dB Tx power per chain compared to 1815i

Cisco Aironet®  
1815w wall plate



- 2x2:2SS MU-MIMO
- 867Mbps
- Dual radio, dual band, 80MHz
- Integrated bluetooth low energy radio
- Sleek design in a small form factor: 140x89x32mm
- 1x 1Gb uplink Ethernet port (PoE)
- Mobility express enabled up to 50 AP
- 3x Local 1Gb Ethernet ports
- 1x passive pass-through RJ45
- PoE support LAN1 port

Cisco Aironet®  
1815t teleworker



- 2x2:2SS MU-MIMO
- 867Mbps
- Dual radio, dual band, 80MHz
- Sleek design in a small form factor: 150x100x38mm
- 1x 1Gb uplink Ethernet port
- 3x Local 1Gb Ethernet ports
- PoE support on LAN1
- Up to 2 ports securely tunneled back to WLAN controller
- AC Adapter included

# Aironet 1815 Series

Optimize cost for capacity or coverage



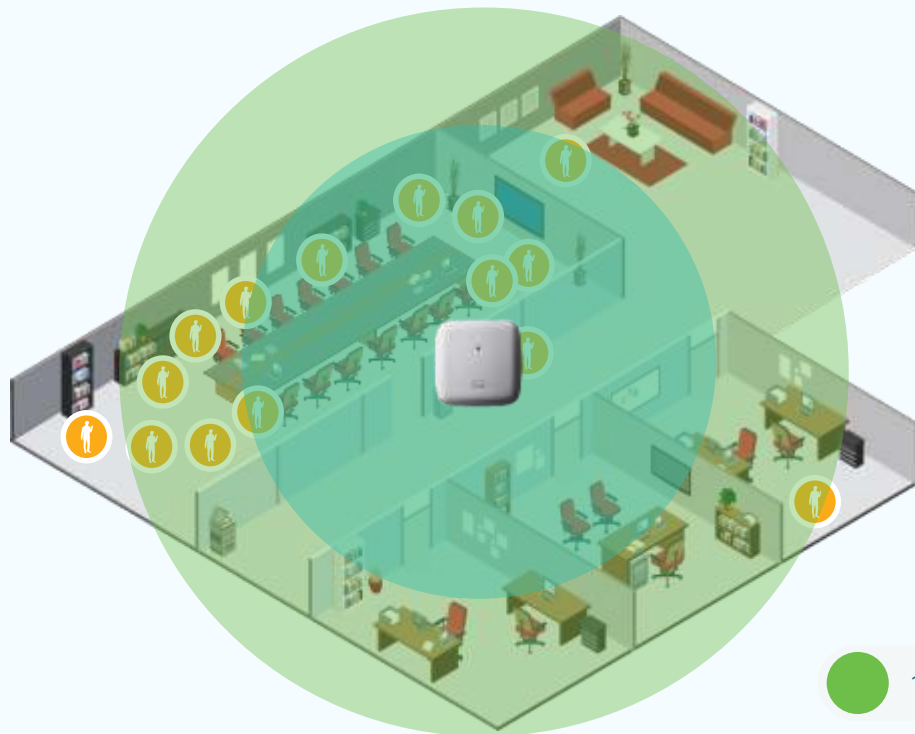
Targeting Asia-Pacific markets to address requirements where the emphasis is often on smaller cells and higher client density



1815i - Capacity

# Aironet 1815 Series

Optimize cost for capacity or coverage



Targeting Asia-Pacific markets to address requirements where the emphasis is often on larger cells and lower client density

1815m - Coverage

1815i - Capacity

# Cisco Aironet outdoor access points portfolio

Industry's best 802.11ac outdoor access point series



Aironet  
1542



Enterprise, ruggedized, ultra low-profile housing | 802.11ac Wave 2 | 2x2:2 |  
Internal semi-omni antenna/internal directional antenna

Aironet  
1562



High-end enterprise | 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



# Cisco Aironet indoor access point portfolio

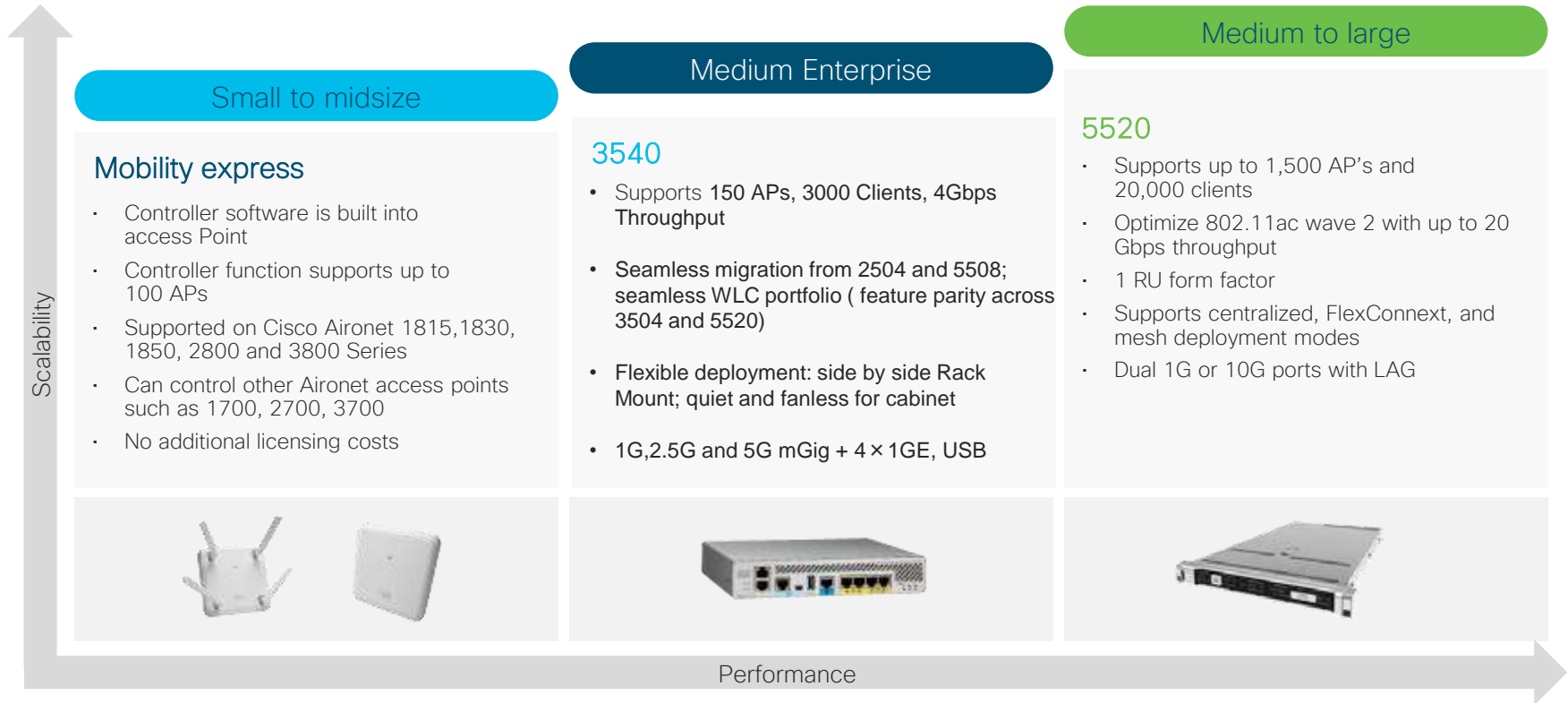
Positioned to capture the 802.11ac Wave 2 transition



1815 Series		Small-mid deployments   Mobility express enabled	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

# Cisco Aironet controller portfolio

Positioned to capture the 802.11ac Wave 2 transition



# Cisco Wireless Controller deployment mode compatibility comparison

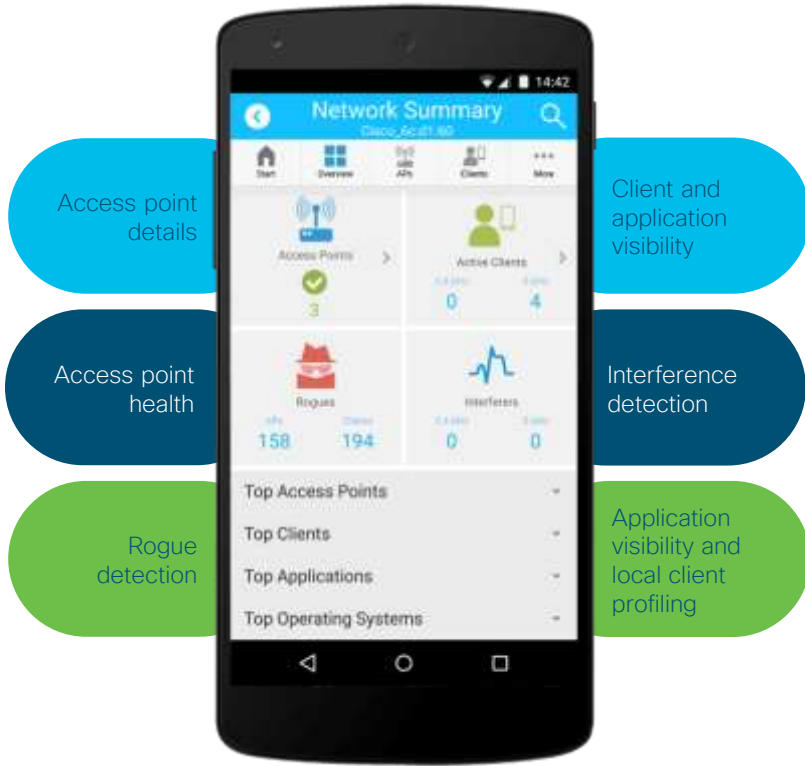


Platform	Deployment modes			
	Mobility express	Flex connect	Centralized	OfficeExtend
Cisco Aironet 1815/1830/1850 Series Access Points	●	-	-	● (1815t)
Cisco Aironet 2800/3800 Series Access Points	●	-	-	-
Cisco Aironet 1560 Series Outdoor Access Points	● <sup>*1</sup>	-	-	-
Cisco 2500 Series Wireless Controller	-	●	●	●
Cisco Virtual Wireless Controller	-	●	-	-
Cisco 5500 Series Wireless Controller	-	●	●	●
Cisco 8500 Series Wireless Controller	-	●	●	●

\*1 Cisco Aironet 1560 Series are to be supported in future software release.

# Mobility express

## Simplifying wireless deployments



### WLAN express setup wizard

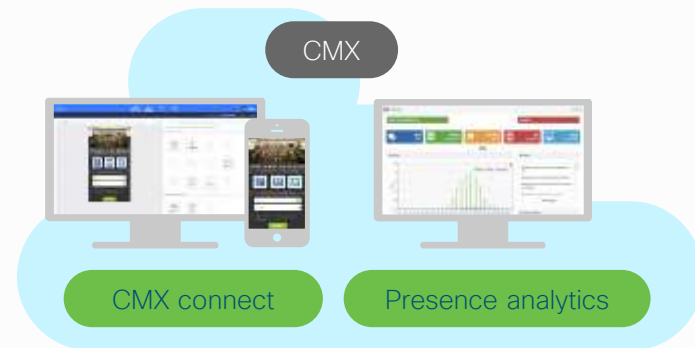
- Simplified user interface
- Over-The-Air no cable needed
- Basic employee and a guest WLAN
- Improved guest captive-portal

### Cisco best practices ON by default

- Internet only guest access controls
- Application visibility
- Clean air and intrusion detection
- Band select
- Radio resource management
- Client profiling
- Bonjour service directory
- Best practice default settings

# CMX cloud

## Native support for mobility express AND Meraki



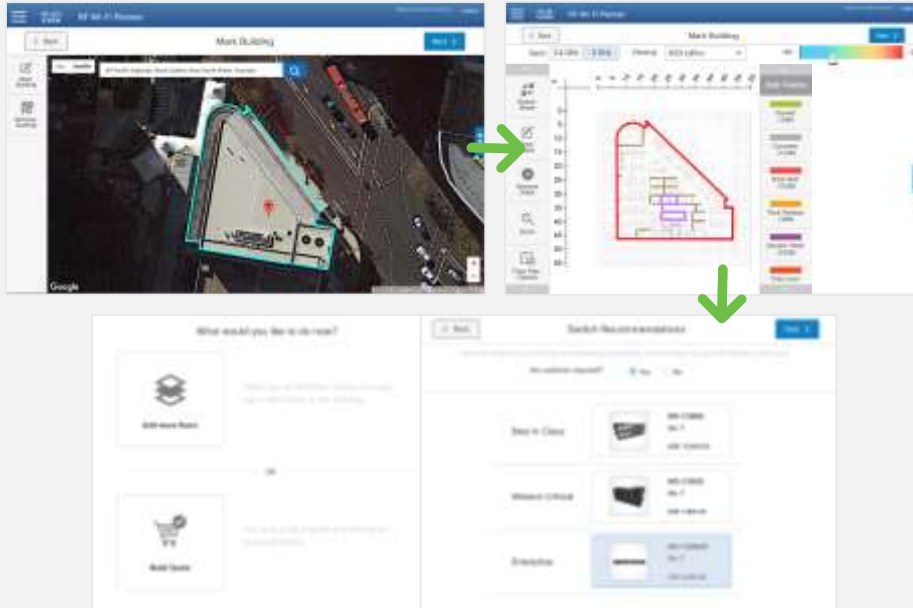
Cisco Meraki MR33  
2x2:2SS MU-MIMO



Cisco Meraki MR30H  
2x2:2SS MU-MIMO

# RF planner

FREE cloud-based predictive planning tool



<http://rftool.cisco.com>

# Cisco Aironet access points transition guide



802.11n	802.11ac Wave 1	802.11ac Wave 2
Cisco Aironet 600 Series OfficeExtend	-	Cisco Aironet 1815T OfficeExtend
Cisco Aironet 700 Series	-	Cisco Aironet 1815I Series
Cisco Aironet 700W Series	-	Cisco Aironet 1815W Series
Cisco Aironet 1040 Series Cisco Aironet 1600 Series	Cisco Aironet 1700 Series	Cisco Aironet 1815I/M Series Cisco Aironet 1830 Series
Cisco Aironet 1140 Series Cisco Aironet 1250 Series Cisco Aironet 1260 Series Cisco Aironet 2600 Series	Cisco Aironet 2700 Series	Cisco Aironet 1850 Series Cisco Aironet 2800 Series
Cisco Aironet 3500 Series Cisco Aironet 3600 Series	Cisco Aironet 3700 Series	Cisco Aironet 3800 Series

