Gear Net Technologies

Find the Right Access Point for Your Organization

Wireless usage like this is only going to accelerate as Internet of Things (IoT) traffic from billions

of devices and new mobile apps hits the airwaves. By the end of 2019 the majority of

fixed IP traffic will be Wi-Fi (53 percent), exceeding wired traffic by 21 percent.

How can you keep pace with this surge in Wi-Fi traffic? Cisco 802.11ac Wave 2 access

points support the very latest Wi-Fi standard technology.

Transmitting data at speeds beyond 1 Gbps, they provide the performance and

functionality you need to support mobility for your customers and employees into the

future.

Go beyond 802.11ac. Get the Latest Cisco Aironet Access Points

1. Cisco Aironet Access Points-positioning map

2.6 Gbps	**4 × 4:3** **MU-MIMO** **Or** **SU-MIMO**	**Aironet 3800 Series** **Aironet 2800 Series**
1.7 Gbps	**3 × 3:3** **MU-MIMO** **Or** **4 × 4:4** **SU-MIMO**	**Aironet 1850 Series**
867 Mbps	**3 × 3:2** **MU-MIMO** **Or** **SU-MIMO**	**Aironet 1830 Series**
	2 × 2:2 **MU-MIMO** **Or** **SU-MIMO**	**Aironet 1815 Series**

Wireless Client Density → **High**

Best in class 802.11ac Wave 2 access point

Table 2. Introduction of Cisco Aironet 3800 & 2800 Access Points

Cisco Aironet 3800 Series	Cisco Aironet 2800 Series
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-2 nd antenna connector	
Gigabit Ethernet and multi-Gigabit Ethernet (1G, 2.5G, 5G) Modularity: Side mount modular	2 x Gigabit Ethernet with LAG
* Post-FCS	

**Cisco Aironet indoor access point portfolio
Positioned to capture the 802.11ac Wave 2
transition**

Table 3. Features of Cisco Aironet Access Points	
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 Wireless Controller deployment mode compatibility comparison

Platform	Deployment modes			
Feature	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	● *1	—	—	—
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.

**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
All the Cisco 802.11n & 802.11ac Wave 1 APs are transited to 802.11ac Wave 2 Access Points		

Cisco Aironet outdoor access points portfolio

Table 5. Industry's best 802.11ac outdoor access

Series	Features
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 I 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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Medium Campus Suggested Deployment Platforms

High-density Large Campus Suggested Deployment Platforms

How to Help Wireless Customers Select the Right Wireless Solutions?

How to Order Cisco ONE for Access Wireless Products?

The Smartest Access Point? The New Aironet 4800 Series