

Cisco Indoor Access Points Comparison Chart

Series	Aironet 1815	Aironet 1830	Aironet 1850	Aironet 2800	Aironet 3800	Aironet 4800	500 Series	300 Series	100 Series
Key Features									
Wi-Fi standards	802.11a/b/g/n/acW2	802.11a/b/g/n/acW2	802.11a/b/g/n/acW2	802.11a/b/g/n/acW2	802.11a/b/g/n/acW2	802.11a/b/g/n/acW2	802.11n/ac	802.11n/ac	802.11n/ac
Target deployment	Small or midsize enterprise	Small or midsize enterprise	Small or midsize enterprise	Midsize to large enterprise requiring advanced features	Midsized to large enterprise requiring mission-critical traffic	Large enterprise organizations requiring mission-critical traffic	Small to midsize businesses	Small to midsize businesses	Small or home office
Radio Specifications									
Antenna type	Internal	Internal	Internal (1850i); external (1850e)	Internal (2802i); external (2802e)	Internal (3802i); external (3802e, 3802p)	Internal	Internal	Internal	Internal
Modularity support	-	-	-	-	Yes	-	-	-	-
Number of radios	Dual (2.4 GHz and 5 GHz)	Dual (2.4 GHz and 5 GHz)	Dual (2.4 GHz and 5 GHz)	Dual (XOR and 5 GHz)	Dual (XOR and 5 GHz)	Four (2 x XOR, 5GHz, and BLE)	Single radio (WAP551) or dual radio (WAP561), orthogonal frequency division multiplexing (OFDM)	WAP 361/371	2 x WAP 150/131; 1 x WAP 121

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Combined maximum data rate	1 Gbps	1 Gbps	2 Gbps	5 Gbps	5 Gbps	5 Gbps	1 Gbps	300 Mbps	300 Mbps
MIMO radio design: number of spatial streams	2x2:2 MU/SU-MIMO	3x3:2 MU/SU-MIMO	4x4:4 SU-MIMO	4x4:3 MU/SU-MIMO	4x4:3 MU/SU-MIMO	4x4:3 MU/SU-MIMO	3x3 MIMO with 3 spatial streams	2x2:2 for 5 GHz and 2x2:2 for 2.4 GHz (WAP 361); 3x3:3 for 5 GHz and 2x2:2 for 2.4 GHz (WAP371)	2x2:2 MIMO
Channel width	20 MHz (2.4 GHz); 20/40/80 MHz (5 GHz)	20 MHz (2.4 GHz); 20/40/80 MHz (5 GHz)	20 MHz (2.4 GHz); 20/40/80 MHz (5 GHz)	20 MHz (2.4 GHz); 20/40/80/160 MHz (5 GHz)	20 MHz (2.4 GHz); 20/40/80/160 MHz (5 GHz)	20 MHz (2.4 GHz); 20/40/80/160 MHz (5 GHz)	20 MHz (2.4 GHz); 20/40 MHz (5 GHz)	2.4 GHz and 5 GHz	2.4 GHz and 5 GHz
Concurrent MU-MIMO	2	2	3	3	3	3	-	-	-
Maximum clients	400	400	400	400	400	400	128	64	32
Maximum clients with ClientLink enabled	-	-	-	256	256	256	-	-	-
Stand Alone Access Point Option	With Mobility Express	With Mobility Express	With Mobility Express	With Mobility Express	With Mobility Express	With Mobility Express	-	-	-
Ethernet support	Up to 3 x 1 GE	1 x GE	1 x GE	2 x GE	1 x multigigabit; 1 x GE	1 x multigigabit; 1 x GE	2 x GE (WAP571/571E); 1 x GE,	802.3af/at (WAP 361, 371, 351); 802.3af (WAP 321)	802.3af (WAP 121); 802.3af/at (WAP 150/131)

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							802.3af/at (WAP561)		
USB port	Yes for 1815t	Yes	Yes	Yes	Yes	Yes	-	-	-
Bluetooth Low Energy (BLE)	Yes for all models except 1815t	-	-	-	-	Yes	-	-	-
Software and Security									
Beam forming	Transmit Beam Forming (TxBF)	Transmit Beam Forming (TxBF)	Transmit Beam Forming (TxBF)	ClientLink 4.0 and Transmit Beam Forming (TxBF)	ClientLink 4.0 and Transmit Beam Forming (TxBF)	ClientLink 4.0 and Transmit Beam Forming (TxBF)	-	-	-
RF interference avoidance	-	-	-	Yes, CleanAir	Yes, CleanAir	Yes, CleanAir	-	-	-
VideoStream	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
Band Select	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rogue access point detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adaptive Wireless Intrusion Protection System (wIPS)	-	-	-	Yes	Yes	Yes	-	-	-
OfficeExtend	Yes for 1815t	-	-	-	-	-	-	-	-
FlexConnect	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
Mobility Express	Yes for all models except 1815t	Yes	Yes	Yes	Yes	Yes		-	-
Power and Environment									

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Power options	PoE or AC/DC (1815t)	AC/DC, 802.3at PoE+, Enhanced PoE 802.3af (full radio functionality, PoE out disabled)	AC/DC, 802.3at PoE+, Enhanced PoE 802.3af (reduced functionality, USB and AUX port disabled, 1852e 2.4GHz reduced to 3x4)	802.3at PoE+	AC/DC, 802.3at PoE+, Universal PoE	AC/DC, 802.3at PoE+, Universal PoE	IEEE 802.3af Ethernet switch Cisco SB-PWR-INJ2-xx POE power: 802.3af/at Limited support for 48V DC power	Optional 12V or 48V DC power adapter; 802.3af/at PoE; SB-PWR-12V2A-xx, SB-PWR-48V-xx, or SB-PWR-INJ2-xx injector p/n	12V power adapter Included; 802.3af PoE; SB-PWR-INJ2-xx injector p/n
Temperature range	0 to 40°C	0 to 40°C	0 to 40°C (1850i); -20 to 50°C (1850e)	0 to 40°C (2802i); -20 to 50°C (2802e)	0 to 40°C (3802i); -20 to 50°C (3802e)	0 to 40°C	0 to 40°C	0 to 50°C	0 to 40°C
Limited Lifetime Warranty	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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