

| 製品名 | Aironet 1830 | Aironet 1850 | Aironet 2800 | Aironet 3800 | Aironet 4800 | Catalyst 9115 | Catalyst 9117 | Catalyst 9120 | Catalyst 9130 |
|------------------------|--|---|---|---|--|--|--------------------------|---|--|
| 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/ac/ax* | 802.11a/b/g/n/ac | 802.11a/b/g/n/ac/ax* | 802.11a/b/g/n/ac/ax |
| Target deployment | Small to medium networks | Small to medium networks | Midsize to large enterprise requiring advanced features | Midsize to large enterprise with mission-critical traffic | Large enterprise organizations with mission-critical traffic | Small to medium networks | Small to medium networks | Medium to large enterprises | Midsize to large enterprise with mission-critical traffic |
| Antenna type | Internal | Internal (1850i); external (1850e) | Internal (2802i); external (2802e) | Internal, external and professional | Internal | Internal and external | Internal and external | Internal and external | Internal and External Professional SKU not required, smart antenna can detect |
| Number of radios | 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, 5 GHz, and BLE) | 3 | 3 | 20 MHz (2.4GHz) 20/40/80/160 MHz (5GHz) | 1: 5 GHz (8x8) Flexible radio with 2.4 (4x4), Dual 5 GHz (4x4) Flexible radio with 2.4 (4x4), Unified RF Engine, and IoT ready |
| Combined max data rate | 1 Gbps | 2 Gbps | 5 Gbps | 5 Gbps | 5 Gbps | 5 Gbps | 5 Gbps | 5 Gbps | 5 Gbps |
| MIMO spatial streams | 3x3:2 MU/SU-MIMO | 4x4:4 SU-MIMO | 4x4:3 MU/SU-MIMO | 4x4:3 MU/SU-MIMO | 4x4:3 MU/SU-MIMO | 4x4:4 + 4x4:4 | 8x8:8 + 4x4:4 | 4x4:4 MU-MIMO | 8x8:8 MU-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); 20/40/80/160 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) | 160MHz | 160MHz | 20 MHz (2.4GHz) 20/40/80/160 MHz (5GHz) | 20 MHz (2.4GHz) 20/40/80/160 MHz (5GHz) |
| Concurrent MU-MIMO | 2 | 3 | 3 | 3 | 3 | 4 | 8 | 4 | 8 |
| Max clients | 400 | 400 | 400 | 400 | 400 | 200 per radio | 200 per radio | 500 | 500 |
| Ethernet support | 1 x GE | 1 x GE | 2 x GE | 1 x 5G mGig; 1 x GE | 1 x multigigabit; 1 x GE | 2.5G mGig | 5G mGig | 2.5G mGig | 1X5G mGig |
| Power options | 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 | PoE 802.3at | PoE 802.3at | PoE 802.3at, PoE 802.3bt, PoE 802.3af, Cisco power injector | PoE 802.3 at, PoE 802.3 bt, PoE 802.3 af, Cisco power injector |
| Temperature range | 0-40°C | 0-40°C (1850i); -20-50°C (1850e) | 0-40°C (2802i); -20-50°C (2802e) | 0 to 40°C for Internal -20 to 50°C for External | 0-40°C | 0-50°C for internal ant; -20-50°C for external ant | 0-50°C | 0-50°C for internal ant; -20-50°C for external ant | 0 to 50°C for Internal -20 to 50°C for External |