

Vendor Name	Cisco	Cisco	Cisco	Cisco	Motorola	Motorola	Motorola	Motorola
Product	Aironet 1140 Series Access Point	Aironet 1250 Series Access Point	2100 Series Wireless LAN Controller	4400 Series Wireless LAN Controller	AP-7131	RFS6000	RFS7000 64 port	WS2000
Approximate Price		\$1,299	List: \$8,995	\$34,995	\$849 for single radio, \$949 for dual radio	8 port: \$3,050, 24 port: \$7,950, 48: port \$15,300	64 port: \$13,500, 128 port: \$18,000, 256 port: \$25,000	\$1,090
Wireless Standard	802.11a, b, g, n	802.11a, b, g, n	802.11a, b, g, n	802.11a, b, g, n	802.11 a, b, g, n, d, h	802.11 a, b, g, n, d, h	802.11 a, b, g, n, d, h	802.11 a, b, g
Security standards supported	802.11i, WPA2, WPA, 802.1X, AES, (TKIP)	802.11i, WPA2,WPA,802.1X, AES, TKIP	WPA, 802.11i (WPA2, RSN), RFC 1321, RFC 2104, RFC 2246, RFC 3280	WPA, 802.11i (WPA2, RSN), RFC 1321 MD5, RFC 1851, RFC 2104, RFC 2246, RFC 2401, RFC 2403, RFC 2404, RFC 2405, RFC 2406, RFC 2407, RFC 2408, RFC 2409, RFC 2451, RFC 3280, RFC 3602, RFC 3686	WEP, WPA, WPA2, 802.11i,	WEP, WPA, WPA2, 802.11i	WEP, WPA, WPA2, 802.11i	WEP, WPA, WPA2, 802.11i
Maximum throughput	600Mbps	600Mbps	100Mbps	4Gbps	1Gbps	2Gbps	8 Gbps	200 users per switch
Maximum simultaneous connections	Depends on applications running on devices	varies	Up to 25 access points	100 Access Points	127 clients – supports upto 1.5million clients in Adaptive Mode with a cluster of 12 RFS7000 switches	256 associations per AP- RFS7000 can adopt 48 APs per switch, 576 per cluster	256 associations per AP- RFS7000 can adopt 256 APs per switch, 3,072 per cluster	6 APs per switch
WEP Key Encryption (64, 128, 256-bit)	128 bit	128 bit	2048 bit	2048-bit	WPA2-CCMP (AES), WEP 40/128 (RC4), WPA-TKIP, KeyGuard	WPA2-CCMP (AES), WEP 40/128 (RC4), WPA-TKIP, KeyGuard	WPA2-CCMP (AES), WEP 40/128 (RC4), WPA-TKIP, KeyGuard	WPA2-CCMP (AES), WEP 40/128 (RC4), WPA-TKIP, KeyGuard
MAC Address Filtering	MAC address filtering through Cisco Wireless Controllers	Through Cisco wireless controllers	Yes	Yes	Yes	Yes	Yes	Yes
Firewall	No	No	No	No	Yes. Stateful packet inspection.	Yes. Stateful L2 and L3 firewall	Yes. Stateful L2 and L3 firewall	Yes. Stateful L3 firewall
Security integration	Integrates with enterprise security services	Cisco Unified Wireless Network integrated the highest levels of enterprise security services integrating wired and wireless security	Cisco Unified Wireless Network integrated the highest levels of enterprise security services integrating wired and wireless security	Integrates with enterprise security services, including Cisco's Network Admission Control and Intrusion Prevention System.	Triple-methodology Wireless IPS with concurrent client access. Dedicated dual-band Wireless IPS sensor functionality with Motorola AirDefense Enterprise	Motorola AirDefense Enterprise	Motorola AirDefense Enterprise	Motorola AirDefense Enterprise
traffic management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VPN Tunnels	Yes	Yes	Yes – tunnels are supported, but not terminated on the controller	Yes – tunnels are supported, but not terminated on the controller	Yes; Supports DES, 3DES, AES-128 and AES-256 encryption, with site-to-site and client-to-site VPN capabilities.	Yes; Supports DES, 3DES, AES-128 and AES-256 encryption, with site-to-site and client-to-site VPN capabilities. Supports 1,024 concurrent IPSEC tunnels per switch; 12,000+ per cluster.	Yes; Supports DES, 3DES, AES-128 and AES-256 encryption, with site-to-site and client-to-site VPN capabilities. Supports 2,048 concurrent IPSEC tunnels per switch; 24,576 per cluster.	Yes; Supports DES, 3DES, AES-128 and AES-256 encryption, with site-to-site VPN capabilities.
LAN Switches	N/A	N/A	N/A	N/A	N/A	8 10/100/1000	4 X 10/100/1000 Cu/SFP Ethernet interfaces, , 1 X CF card slot, 2 X USBslots, 1 X serial port (RJ45 style)	6 10/100 Mbps LAN ports
WAN Ports	802.3af Ethernet switch	802.3af Ethernet switch	Eight 10/100 Ethernet Ports (including Power-over-Ethernet-Enabled Ports)	Up to four 1GB Ethernet ports and two expansion slots	Yes. 2 GbE interfaces provided, one of which is a WAN port	Yes. GiGE port and OOB port	Yes. GiGE ports and OOB port	Yes. 1 10/100 Ethernet port
Management Interface		Cisco Wireless Control System (WCS) with web interface	Cisco Wireless Control System (WCS) with web interface	Cisco Wireless Control System (WCS) with web interface	CLI, SNMP, web-based GUI, SSH. RF Management Suite	CLI, SNMP, and web-based GUI	CLI, SNMP, and web-based GUI	CLI, SNMP, and web-based GUI
Bridge and/or Repeater Modes		Can act as a bridge or repeater in standalone (autonomous) mode	N/A	N/A	Supports standalone and adaptive mesh with adaptive AP technology.	Supports adaptive mesh with adaptive AP technology.	Supports adaptive mesh with adaptive AP technology.	Supports wireless mesh with Motorola AP51x1 using AP300.
Speed and number of Network Interfaces?		10/100/1000BASE-T autosensing (RJ-45), Management console port (RJ45)	Console port: RS-232 (DB-9 male/RJ-45 connector included), eight 10/100 Mbps Ethernet (RJ-45) including two 802.3af or Cisco PoE ports rated for use with Cisco Aironet lightweight access points	Up to four 1 GB Ethernet ports + two expansion slots	2 x 10/100/1000 GbE interfaces	1 x 10/100/1000   SFP uplink ports 8 x 10/100/1000 ports (802.3af PoE   802.3at PoE+)	4 x 10/100/1000   SFP uplink ports	6 x 10/100 LAN ports (4 ports support 802.3af PoE), 1 x 10/100 WAN ports
Tech Support Offered? (y/n)		Yes	Yes	Yes	Yes	Yes	Yes	Yes