



Supported Devices Table for the CiscoWorks Wireless LAN Solution Engine 2.11

Revised: 9/6/2005

The following sections show the Cisco devices supported when the CiscoWorks Wireless LAN Solution Engine 2.11 was released:

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To see a list of supported firmware versions, select **Administration > System > Firmware Supported Versions**.

To see a list of devices discovered by the Wireless LAN Solution Engine, select **Devices > Discover > Managed Devices**.

For information on conversions from non-IOS to IOS, refer to the Conversion to IOS guide on Cisco.com:

http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cwparent/cw_1105/wlse/2_11/index.htm.



Corporate Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

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Network Management—Supported Access Points and Bridges

The following devices support basic network management features:

Table 1 Supported Access Points and Bridges

Series	SysObjectID	Supported Firmware Versions		
		Discovery, Inventory, Faults, Reporting	Configuration	Firmware
Cisco Aironet 340 series access points	1.3.6.1.4.1.9.1.379	11.21, 11.23T, 12.01T, 12.02T1, 12.03T, 12.04, 12.05	12.01T1, 12.02T1, 12.03T, 12.04, 12.05	11.21, 11.23T, 12.x
Cisco Aironet 350 series access points	1.3.6.1.4.1.9.1.380	11.21, 11.23T, 12.01T1, 12.02T1, 12.03T, 12.04, 12.05	12.01T1, 12.02T1, 12.03T, 12.04, 12.05	11.21, 11.23T, 12.x
	1.3.6.1.4.1.522.2.1.76			
Cisco Aironet 350 series bridges	1.3.6.1.4.1.9.1.380	11.21, 11.23T, 12.01T, 12.02T1, 12.03T, 12.04, 12.05	12.01T1, 12.02T1, 12.03T, 12.04, 12.05	11.21, 11.23T, 12.x
Cisco Aironet 1200 and 1220 series access points ¹	1.3.6.1.4.1.9.1.474	11.54T, 11.56, 12.01T1, 12.02T1, 12.03T, 12.04, 12.05	12.01T1, 12.02T1, 12.03T, 12.04, 12.05	11.54T, 11.56, 12.01T1, 12.02T1, 12.03T, 12.04, 12.05
Cisco Aironet 350 IOS series access points ²	1.3.6.1.4.1.9.1.552	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*
Cisco Aironet 1100 series access points**	1.3.6.1.4.1.9.1.507	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*
Cisco 1130 series access points	1.3.6.1.4.1.9.1.618	12.3(2)JA*, 12.3(4)JA*	12.3(2)JA*, 12.3(4)JA*	12.3(2)JA*, 12.3(4)JA*
Cisco Aironet 1210 and 1230 series (Cisco IOS) access points **	1.3.6.1.4.1.9.1.525	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.2(15)XR*, 12.3(2)JA*, 12.3(4)JA*

Table 1 Supported Access Points and Bridges (Continued)

Series	SysObjectID	Supported Firmware Versions		
		Discovery, Inventory, Faults, Reporting	Configuration	Firmware
Cisco Aironet 1310 Wireless Bridges	1.3.6.1.4.1.9.1.565	12.2(15)JA, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.3(2)JA*, 12.3(4)JA*
Cisco Aironet 1310 Wireless Bridges (Repeater/Non-root wireless-clients)		12.3(4)JA*	12.3(4)JA*	12.3(4)JA*
Cisco Aironet 1310 Wireless Bridges (non-root)		12.3(4)JA*	12.3(4)JA*	12.3(4)JA*
Cisco Aironet 1310 Workgroup Bridge		12.3(4)JA*	12.3(4)JA*	12.3(4)JA*
Cisco Aironet 1410 Wireless Bridges	1.3.6.1.4.1.9.1.533	12.2(15)JA, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.3(2)JA*, 12.3(4)JA*	12.2(15)JA, 12.3(2)JA*, 12.3(4)JA*

* Indicates support for incremental versions. For example, 12.2(15)XR* supports 12.2(15)XR, 12.2(15)XR1 and 12.2(15)XR2.

** 802.11g radios for Series 1100 and 1200 access points are supported only with 12.2(15)JA or later.

1. When a 1200 access point is converted to IOS, its SysObjectID and supported images correspond with the IOS 1210 and 1230 models.
2. Cannot be used as a WDS.

Radio Management—Supported Access Points, Radios, and WLSM Blades

The following devices support basic network management, advanced radio management, and intrusion detection features:

Table 2 Radio Management Supported Access Points and Radios

Feature	Supported AP Models	Supported Radios	Minimum IOS Version Required
Ad-Hoc Network Detection AP Radio Scan Assisted Configuration Auto Re-Site Survey Client Walkabout Interference Detection Location Manager Radio Monitoring Rogue AP Detection	Cisco Aironet 1100 series access points	.11b, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco 1130 (Cisco IOS) series access points	.11a, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco Aironet 1210 and 1230 series (Cisco IOS) access points	.11a, .11b, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco Aironet 350 IOS series access points ¹	.11b	12.3(2)JA*, 12.3(4) JA*
	BR1310 (AP-only mode)	.11g	12.3(2)JA*, 12.3(4) JA*
	APs registered to a WLSM-WDS: <ul style="list-style-type: none"> Supported on Cisco Catalyst 6500* series switches (see Supported Switches, page 6). WLSM software release required to support RM features: 1.3.1 ** 		
UnregisteredClient Detection ²	Cisco Aironet 1100 series access points	.11b, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco 1130 (Cisco IOS) series access points	.11a, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco Aironet 1210 and 1230 series (Cisco IOS) access points	.11a, .11b, .11g	12.3(2)JA*, 12.3(4) JA*
	BR1310 (AP-only mode)	.11g	12.3(4)JA*
		APs registered to a WLSM-WDS: <ul style="list-style-type: none"> Supported on Cisco Catalyst 6500* series switches (see Supported Switches, page 6). WLSM software release required to support RM features: 1.3.1 ** 	
Authentication/Protection Attack Detection EMF TransmissionDetection Frame Monitoring ^{3 4} Switchport Tracing/Suppression IDS XML APIs used by integrators and third party software ⁵	Cisco Aironet 1100 series access points	.11b, .11g	12.3(4)JA*
	Cisco 1130 (Cisco IOS) series access points	.11a, .11g	12.3(4)JA*
	Cisco Aironet 1210 and 1230 series (Cisco IOS) access points	.11a, .11b, .11g	12.3(4)JA*
	BR1310 (AP-only mode)	.11g	12.3(4)JA*
		APs registered to a WLSM-WDS: <ul style="list-style-type: none"> Supported on Cisco Catalyst 6500* series switches (see Supported Switches, page 6). WLSM software release required to support RM features: 1.3.1 ** 	

Table 2 Radio Management Supported Access Points and Radios (Continued)

Feature	Supported AP Models	Supported Radios	Minimum IOS Version Required
Scanning-Only APs	Cisco Aironet 1100 series access points	.11b, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco 1130 (Cisco IOS) series access points	.11a, .11g	12.3(2)JA*, 12.3(4) JA*
	Cisco Aironet 1210 and 1230 series (Cisco IOS) access points	.11a, .11b, .11g	12.3(2)JA*, 12.3(4) JA*

* Indicates support for incremental versions.

** For more information about WLSM Cat6K module software releases, see <http://www.cisco.com/cgi-bin/tablebuild.pl/cat6000-modulesw-wlsm>.

1. Cannot be used as a WDS or Scanning-Only AP.
2. Supported only on APs configured in scanning-only mode.
3. Supported only on APs configured in scanning-only mode
4. Clients do not participate in Frame Monitoring
5. IDS APIs: WLAN Monitor , Active Termination, and Station Alert. WLAN Monitor and Active Termination are supported only on APs configured in scanning-only mode.

Radio Management—Supported Client Adaptor Cards

Table 3 Radio Management Supported Client Adaptor Cards

Radio Management Feature	Supported Client Adaptors
All Radio Manager, Sites, and IDS features ¹	AIR-PCI351x (Air350 based client card, B-radio) ²
	AIR-CB20A ³ , AIR-CB21AG ^{4 5}

1. Require CCX-V2 or later compliant clients. To check the status of partner client cards, see the CCX partner website at http://www.cisco.com/en/US/partners/pr46/pr147/partners_pgm_concept_home.html
2. To allow the client adaptor to participate in the Radio Management feature, the Enable Radio Management Support parameter must be checked. This parameter, which is accessible from the Advanced (Infrastructure) Parameters screen in ACU, is available in:
 - Windows ACU version 6.2 or later for 350 series client adapters using firmware version 5.30.17 or later
 - Windows ACU version 6.3 or later for CB20A client adapters using firmware version 5.40.10 or later
3. See Footnote 2.
4. Requires ADU software version 1.1 or later.
5. Includes both 802.11a and 802.11g radios. The 802.11g radio can act like a 802.11b radio (g is a superset of b), so effectively the AG client can operate in A, B, and G modes.

Radio Management—Supported Directional Antennas

Following are the supported directional antennas:

- AIR-ANT1729 2.4 GHz, 6 dBi Patch Ant w/RP-TNC Connector
- AIR-ANT2410 2.4 GHz, 10dBi Yagi Mast Mount Ant. with RP-TNC Connector
- AIR-ANT2012 2.4 GHz, 6.5 dBi Diversity Patch Ant with RP-TNC Connector
- AIR-ANT3549 2.4 GHz, 9 dBi Patch Antenna with RP-TNC Connector

- AIR-ANT570-R 5 GHz, 7 dBi Diversity AIR-ANT1729 2.4 GHz, 6 dBi Patch Ant with RP-TNC Connector
- AIR-ANT2410 2.4 GHz, 10dBi Yagi Mast Mount Ant. with RP-TNC Connector
- AIR-ANT2012 2.4 GHz, 6.5 dBi Diversity Patch Ant with RP-TNC Connector
- AIR-ANT3549 2.4 GHz, 9 dBi Patch Antenna with RP-TNC Connector
- AIR-ANT570-R 5 GHz, 7 dBi Diversity Directional Antenna for Connectors on Release 12.3(2)XT

Supported Switches

The WLSE monitors basic MIB-II attributes that are available on all switches. In general, different software versions of these devices will be supported because those attributes are not expected to change.



Note

Catalyst Operating System (CatOS) software is not supported for switch port tracing



Note

Switches configured in a clustered setup are not supported..

Table 4 Supported Switches

Series	Devices Supported	SysObjectID
Cisco Catalyst 1200	1200	1.3.6.1.4.1.9.5.5
Cisco Catalyst 1900	1924	1.3.6.1.4.1.9.5.18
		1.3.6.1.4.1.9.5.28
	1912	1.3.6.1.4.1.9.5.175
		1.3.6.1.4.1.9.5.31
Cisco PGW 2200 Softswitch	2200	1.3.6.1.4.1.9.5.13
Cisco Catalyst 2820	2820	1.3.6.1.4.1.9.5.20
Cisco Catalyst 2900 ¹	2980G-A	1.3.6.1.4.1.9.5.51
	2980G	1.3.6.1.4.1.9.5.49
	2948GL3Dc	1.3.6.1.4.1.9.1.386
	2948G	1.3.6.1.4.1.9.5.42
	2926	1.3.6.1.4.1.9.5.35
	2900	1.3.6.1.4.1.9.5.12

Table 4 Supported Switches (Continued)

Series	Devices Supported	SysObjectID
Cisco Catalyst 2900XL ²	2908XL	1.3.6.1.4.1.9.1.170
	2912XL	1.3.6.1.4.1.9.1.219
	2912MFXL	1.3.6.1.4.1.9.1.221
	2916MXL	1.3.6.1.4.1.9.1.171
	2924XL	1.3.6.1.4.1.9.1.183
	2924CXL	1.3.6.1.4.1.9.1.184
	2924XLV	1.3.6.1.4.1.9.1.217
	2924CXLV	1.3.6.1.4.1.9.1.218
	2924MXL	1.3.6.1.4.1.9.1.220
Cisco Catalyst 2950 ³	2950-12	1.3.6.1.4.1.9.1.323
	2950-24	1.3.6.1.4.1.9.1.324
	2950-24C	1.3.6.1.4.1.9.1.325
	2950T	1.3.6.1.4.1.9.1.359
	2950-12G	1.3.6.1.4.1.9.1.427
	2950-24G	1.3.6.1.4.1.9.1.428
	2950-48G	1.3.6.1.4.1.9.1.429
	2950-24S	1.3.6.1.4.1.9.1.430
	2950-24GDC	1.3.6.1.4.1.9.1.472
Cisco Catalyst 2970	C2970G-24T	1.3.6.1.4.1.9.1.527
	C2970G-24TS	1.3.6.1.4.1.9.1.561
Cisco Catalyst 3000 series switches	C3000	1.3.6.1.4.1.9.5.10
		1.3.6.1.4.1.9.5.26
	C3100	1.3.6.1.4.1.9.5.23
	C3200	1.3.6.1.4.1.9.5.15
	CPW16	1.3.6.1.4.1.9.5.9
		1.3.6.1.4.1.9.5.25
Cisco Catalyst 3500 XL series switches ⁴	3508GXL	1.3.6.1.4.1.9.1.246
	3512XL	1.3.6.1.4.1.9.1.247
	3524XL,	1.3.6.1.4.1.9.1.248
	3548XL	1.3.6.1.4.1.9.1.278
	3524PWRXL,	1.3.6.1.4.1.9.1.287
	3524PWRXLEn	1.3.6.1.4.1.9.1.515

Table 4 Supported Switches (Continued)

Series	Devices Supported	SysObjectID
Cisco Catalyst 3550 series switches ⁵	3550-24	1.3.6.1.4.1.9.1.366
	3550-48	1.3.6.1.4.1.9.1.367
	3550-12T	1.3.6.1.4.1.9.1.368
	3550-12G	1.3.6.1.4.1.9.1.431
	3550-24DC	1.3.6.1.4.1.9.1.452
	3550-24-MMF	1.3.6.1.4.1.9.1.453
	3550-24PWR	1.3.6.1.4.1.9.1.485
	3550-24-PWR	1.3.6.1.4.1.9.1.485
Cisco Catalyst 3560 series switches	3560-24PS	1.3.6.1.4.1.9.1.563
	356048PS	1.3.6.1.4.1.9.1.564
Cisco Catalyst 3750 series switches	3750	1.3.6.1.4.1.9.1.516
	3750-24TS	1.3.6.1.4.1.9.1.511
	3750-248TS	1.3.6.1.4.1.9.1.512
	3750G-24S	1.3.6.1.4.1.9.1.513
	3750G-24T	1.3.6.1.4.1.9.1.514
Cisco Catalyst 3900 series switches	3900	1.3.6.1.4.1.9.5.33
	3920	1.3.6.1.4.1.9.5.37
Cisco Catalyst 4000 series switches ⁶	4003	1.3.6.1.4.1.9.5.40
	4912G,	1.3.6.1.4.1.9.5.41
	4006	1.3.6.1.4.1.9.5.46
	4006-SW	1.3.6.1.4.1.9.1.448
	4908gL3Dc	1.3.6.1.4.1.9.1.387
	4503	1.3.6.1.4.1.9.1.501
Cisco Catalyst 4000 IOS series switches ⁷	4006-SW	1.3.6.1.4.1.9.1.448
	4503	1.3.6.1.4.1.9.1.501
	4503-SUP	1.3.6.1.4.1.9.5.58
	4506	1.3.6.1.4.1.9.1.502
	4506-SUP	1.3.6.1.4.1.9.5.59
	4507R	1.3.6.1.4.1.9.1.503
Cisco Catalyst 5000 series switches ⁸	5000	1.3.6.1.4.1.9.5.7
	5002	1.3.6.1.4.1.9.5.29
Cisco Catalyst 5500 series switches ⁹	5500	1.3.6.1.4.1.9.5.17
	5505	1.3.6.1.4.1.9.5.34
	5509	1.3.6.1.4.1.9.5.36
Cisco Catalyst 6000* series switches ¹⁰	6006	1.3.6.1.4.1.9.5.38
	6009	1.3.6.1.4.1.9.5.39

Table 4 Supported Switches (Continued)

Series	Devices Supported	SysObjectID
Cisco Catalyst 6000* IOS series switches	6006	1.3.6.1.4.1.9.1.280
	6009	1.3.6.1.4.1.9.1.281
Cisco Catalyst 6500* series switches	6503	1.3.6.1.4.1.9.5.56
	6506	1.3.6.1.4.1.9.5.45
	6509	1.3.6.1.4.1.9.5.44
	6509SP	1.3.6.1.4.1.9.5.47
	6513	1.3.6.1.4.1.9.5.50
Cisco Catalyst 6500* IOS series switches	6506	1.3.6.1.4.1.9.1.28
	6509	1.3.6.1.4.1.9.1.283
	6509SP	1.3.6.1.4.1.9.1.310
	6513	1.3.6.1.4.1.9.1.400

* The Wireless LAN Services Module (WLSM) can be implemented in these switches to provide WDS to the wireless network. The Sys Object ID for the WLSM is 1.3.6.1.4.1.9.1.599.

1. Tested with Software Release 12.0(7)WX5(15a)
2. Tested with Software Release 11.2 (8.5)SA6
3. Tested with Software Release 12.0(5.3)WC(1) and 12.1(9)EA1
4. Tested with Software Release 12.0(5.3)WC(1), 12.0(5.2)XU
5. Tested with Software Release 12.1(6)EA1
6. Tested with Software Release 6.3 (3) and 7.2(2)
7. Tested with Software Release 12.1(12c)EW
8. Tested with Software Release 4.5(3)
9. Tested with Software Release 5.4(1)
10. Tested with Software Releases 6.2(2) and 6.3(1)

Supported Routers



Note

The WLSE monitors basic MIB-II attributes that are available on all switches. In general, different software versions of these devices will be supported because those attributes are not expected to change.

Table 5 Supported Routers

Series	Devices Supported	SysObjectID
Cisco 800 series routers	801	1.3.6.1.4.1.9.1.212
	802	1.3.6.1.4.1.9.1.213
	803	1.3.6.1.4.1.9.1.214
	804	1.3.6.1.4.1.9.1.215
	804J	1.3.6.1.4.1.9.1.296
	805	1.3.6.1.4.1.9.1.245
	806	1.3.6.1.4.1.9.1.384
	811	1.3.6.1.4.1.9.1.295
	813	1.3.6.1.4.1.9.1.396
	826	1.3.6.1.4.1.9.1.322
	826 QuadV	1.3.6.1.4.1.9.1.321
	827	1.3.6.1.4.1.9.1.284
	827-H	1.3.6.1.4.1.9.1.446
	827 QuadV	1.3.6.1.4.1.9.1.270
	828	1.3.6.1.4.1.9.1.382
	831	1.3.6.1.4.1.9.1.497
837	1.3.6.1.4.1.9.1.495	
Cisco 1700 series routers	1710	1.3.6.1.4.1.9.1.200
	1721	1.3.6.1.4.1.9.1.444
	1760	1.3.6.1.4.1.9.1.416
Cisco 2600 series routers ¹	2610	1.3.6.1.4.1.9.1.185
	2611	1.3.6.1.4.1.9.1.186
	2612	1.3.6.1.4.1.9.1.187
	2613	1.3.6.1.4.1.9.1.195
	2620	1.3.6.1.4.1.9.1.208
	2621	1.3.6.1.4.1.9.1.209
	2650	1.3.6.1.4.1.9.1.319
	2651	1.3.6.1.4.1.9.1.320
	2691	1.3.6.1.4.1.9.1.413
	2610XM	1.3.6.1.4.1.9.1.466
	2611XM	1.3.6.1.4.1.9.1.467
	2620XM	1.3.6.1.4.1.9.1.468
	2621XM	1.3.6.1.4.1.9.1.469
	2650XM	1.3.6.1.4.1.9.1.470
2651XM	1.3.6.1.4.1.9.1.471	

Table 5 Supported Routers

Series	Devices Supported	SysObjectID
Cisco 3600 series routers ²	3620	1.3.6.1.4.1.9.1.122
	3640	1.3.6.1.4.1.9.1.110
	3660	1.3.6.1.4.1.9.1.205
	3661-AC	1.3.6.1.4.1.9.1.338
	3661-DC	1.3.6.1.4.1.9.1.339
	3662-AC	1.3.6.1.4.1.9.1.340
	3662-AC-CO	1.3.6.1.4.1.9.1.342
	3662-DC	1.3.6.1.4.1.9.1.341
	3662-DC-CO	1.3.6.1.4.1.9.1.343
Cisco 7600 Series. routers	7603	1.3.6.1.4.1.9.1.401
	7606	1.3.6.1.4.1.9.1.402

1. Tested with Cisco IOS Software Release 12.2(1)
2. Tested with Cisco IOS Software Release 12.0(5)XK

Supported Access Servers

Table 6 *Supported Access Servers*

Devices	Supported Versions	
	Discovery, Inventory, Faults, Reporting	Configuration and Firmware
LEAP, PEAP, RADIUS, EAP-FAST, and EAP-MD5 servers	Cisco Secure Access Control Server (ACS) ¹ , Version 3.2.3	Not supported.
	Cisco Secure Access Control Server (ACS) ² , Version 3.3 ³	Not supported.
RADIUS, LEAP, and EAP-MD5 servers	Cisco Access Registrar (CAR), Version 3.5 ⁴	Not Supported.

1. The WLSE cannot perform Microsoft PEAP (EAP-MSCHAPv2) transactions with ACS.
2. The WLSE cannot perform Microsoft PEAP (EAP-MSCHAPv2) transactions with ACS.
3. If ACS 3.3.3 is used, to establish a WLSE-WDS link you must create a local RADIUS in access point to authenticate the WLSE, and leave all clients authentication to ACS.
4. The 1130-19 CiscoWorks Wireless LAN Solution Engine supports monitoring for faults of LEAP, Radius, and EAP-MD5 AAA servers.

The 1030 CiscoWorks Wireless LAN Solution Engine Express contains embedded CAR LEAP, EAP-TLS, EAP-FAST, Cisco PEAP, MS PEAP, and Radius AAA servers; however, it supports fault monitoring for embedded CAR LEAP, Cisco PEAP, and Radius AAA servers.