

Cisco IOS Software Release 12.4(10B)JA

PB427800

This product bulletin describes the content and delivery information for Cisco IOS® Software Release 12.4(10B)JA supporting Cisco® Aironet® 1400 Series Outdoor Wireless Bridges, Cisco Aironet 1300 Series Outdoor Access Points and Bridges, and Cisco Aironet 1250AG, 1240AG, and 1130AG Series Access Points. This release contains new features as well as enhancements to previous features.

This release also provides support for the new Cisco Aironet 1250 Series, a modular access point that provides the industry's best wireless performance and enhanced services with support for the 802.11n draft 2.0 standard and Multiple Input, Multiple Output (MIMO) technologies.

Cisco IOS Software Release 12.4(10B)JA is available as a free software upgrade. Figure 1 displays the release train and recommended migration path for Cisco IOS Software Release 12.4(10B)JA. Due to memory limitations, only bug fixes are provided for the Cisco Aironet 1100, 1200, and 1230 Series Access Points.

Figure 1. Release Train and Recommended Migration Path for Cisco IOS Software Release 12.4(10B)JA



New Features in Cisco IOS Software Releases 12.4(10B)JA

Table 1 lists new features in Cisco IOS Software Release 12.4(10B)JA. These features are supported in the platforms noted.

Table 1. New Cisco IOS Software Features in Cisco IOS Software Release 12.4(10B)JA

New Features	Cisco Aironet 1100 Series Access Points	Cisco Aironet 1130AG and 1130G Series Access Points	Cisco Aironet 1200 Series Access Points	Cisco Aironet 1230 Series Access Points	Cisco Aironet 1240AG and 1130G Series Access Points	Cisco Aironet 1250AG and 1250G Series Access Points	Cisco Aironet 1300 Series Access Points and Bridges	Cisco Aironet 1400 Series Wireless Bridges
IEEE 802.11n Draft 2.0	-	-	-	-	-	X	-	-
Regulatory Domain Update for JAPAN	-	*	X	X	*	-	-	-

The symbol “X” in Table 1 means this feature was newly supported on the Cisco Aironet 1200 and 1230 Series Access Points in Cisco IOS Software Release 12.4(10B)JA.

The symbol “*” means this feature was supported in the Cisco Aironet 1130 and 1240 Series Access Points beginning with Cisco IOS Software Release 12.4(3G)JA.

The symbol “–” means this feature is not supported in Cisco IOS Software.

Feature Description for Cisco IOS Software Release 12.4(10B)JA

Cisco Aironet 1250 Series Access Point

The Cisco Aironet 1250 Series Access Point is the industry’s first business-class access point based on the IEEE 802.11n draft 2.0 standard. It provides reliable and predictable WLAN coverage to improve the end-user experience for both existing 802.11a/b/g clients and new 802.11n clients. The access point offers combined data rates of up to 600 Mbps to meet the most rigorous bandwidth requirements. Users can now rely on wireless networks to deliver a similar experience to wired networks, providing mobile access to high-bandwidth data, voice, and video applications, irrespective of their location.

The Cisco Aironet 1250 Series Access Point is a next-generation wireless solution with unparalleled throughput and improved reliability and predictability for wireless connectivity. The robust Cisco Aironet 1250 Series is a modular platform designed to be easily field-upgradable to support a variety of wireless capabilities. This modularity allows businesses to deploy existing wireless technologies today with the confidence that their network investment will extend to support emerging and future wireless technologies.

Table 2 lists part numbers and domains for the Cisco Aironet 1250AG and 1250G Series Access Points.

Table 2. Cisco Aironet 1250AG and 1250G Series Access Points

Part Number	Description	Regulatory Domain
AIR-AP1252AG-x-K9	802.11a/g/n-d2.0 2.4/5-GHz Mod Auto AP; 6 RP-TNC	x= <ul style="list-style-type: none"> • A=FCC • E=ETSI • P=Japan2
AIR-AP1252G-x-K9	802.11g/n-d2.0 2.4-GHz Mod Auto AP; 3 RP-TNC	x= <ul style="list-style-type: none"> • A=FCC • E=ETSI • P=Japan2

Regulatory Domain Update for Japan

This release supports the U regulatory domain for the W52 frequency set (channels 36, 40, 44, and 48) in Japan for the Cisco Aironet 1200 and 1230 Series. This support was added for the Cisco Aironet 1130 and 1240 Series in Cisco IOS Software Release 12.4(3G)JA, which shipped previously. Cisco access points specified for this new domain ship with a U domain radio. Installed J domain access points are automatically upgraded to U domain status with this release.

For the latest Cisco WLAN compliance status, please visit

http://www.cisco.com/application/pdf/en/us/guest/products/ps5861/c1650/cdccont_0900aecd80537b6a.pdf.

Release Notes

For more information about the platforms and features delivered in Cisco IOS Software Release 12.4(10B)JA, view the release notes at

http://www.cisco.com/en/US/products/hw/wireless/tsd_products_support_category_home.html.

Support

Cisco IOS Software Release 12.4(10B)JA follows the standard Cisco support policy. For more information, visit

http://www.cisco.com/en/US/products/hw/wireless/tsd_products_support_category_home.html.

Product Features and Model Numbers

Cisco IOS Software Release 12.4(10B)JA feature sets, images, and memory recommendations are listed in Table 3. The products supported by this release are listed in Table 4.

Table 3. Cisco IOS Software Release 12.4(10B)JA Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Code	Image	Flash	DRAM
Cisco Aironet 1100 Series Access Points	Wireless LAN	S11W7K9-12308JEC	c1100-k9w7-tar.123-8.JEC.tar	8 MB	16 MB
Cisco Aironet 1130AG Series Access Points	Wireless LAN	S113W7K9-12410JA	c1130-k9w7-tar.124-10b.JA.tar	16 MB	32 MB
Cisco Aironet 1130G Series Access Points	Wireless LAN	S113W7K9-12410JA	c1130-k9w7-tar.124-10b.JA.tar	16 MB	32 MB
Cisco Aironet 1200 Series Access Points	Wireless LAN	S12W7K9-12308JEC	c1200-k9w7-tar.123-8.JEC.tar	8 MB	16 MB
Cisco Aironet 1240AG Series Access Points	Wireless LAN	S124W7K9-12410JA	c1240-k9w7-tar.124-10b.JA.tar	16 MB	32 MB
Cisco Aironet 1240G Series Access Points	Wireless LAN	S124W7K9-12410JA	c1240-k9w7-tar.124-10b.JA.tar	16 MB	32 MB
Cisco Aironet 1250AG Series Access Points	Wireless LAN	S125W7K9-12410JA	c1250-k9w7-tar.125-10b.JA.tar	32 MB	64 MB
Cisco Aironet 1250G Series Access Points	Wireless LAN	S125W7K9-12410JA	c1250-k9w7-tar.125-10b.JA.tar	32 MB	64 MB
Cisco Aironet 1300 Series Outdoor Access Points and Bridges	Wireless LAN	S131W7K9-12410JA	c1310-k9w7-tar.124-10b.JA.tar	8 MB	32 MB
Cisco Aironet 1400 Series Wireless Bridges	Wireless LAN	S141W7K9-12410JA	c1410-k9w7-tar.124-10b.JA.tar	16 MB	32 MB

Table 4. Products Supported by Cisco IOS Software Release 12.4(10B)JA

Platform	Model Number
Cisco Aironet 350 Series Access Points	AP350
Cisco Aironet 1100 Series Access Points	AP1120B, AP1121G
Cisco Aironet 1130AG Series Access Points	AP1131AG
Cisco Aironet 1130G Series Access Points	AP1131G
Cisco Aironet 1200 Series Access Points	AP1210, AP1230A, AP1230B, AP1231G
Cisco Aironet 1230AG Series Access Points	AP1232AG
Cisco Aironet 1240AG Series Access Points	AP1242AG
Cisco Aironet 1240G Series Access Points	AP1242G
Cisco Aironet 1250AG Series Access Points	AP1252AG
Cisco Aironet 1250G Series Access Points	AP1252G

Platform	Model Number
Cisco Aironet 1300 Series Outdoor Access Points/Bridges	BR1310G
Cisco Aironet 1400 Series Wireless Bridges	BR1410A

Download Information

Cisco IOS Software Release 12.4(10B)JA can be downloaded from the following locations:

- <http://tools.cisco.com/support/downloads/pub/MDFTree.x?butype=wireless>
- <http://www.cisco.com/public/sw-center/sw-ios.shtml>



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