



Product Bulletin No. 3507

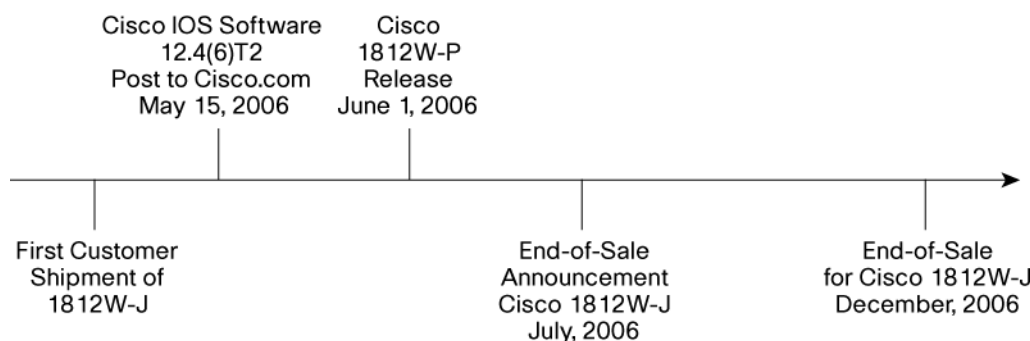
Cisco 1812 Integrated Services Router and Cisco IOS Software Release 12.4(6)T2

The Cisco® 1812W Integrated Services Router (Cisco 1812W) is a fixed integrated services router that provides Ethernet access through two 10/100BASE-T Fast Ethernet WAN ports, integrated WAN backup through an ISDN S/T Basic Rate Interface (BRI), and integrated dual-band 802.11a/b/g wireless access point functions. Cisco Systems® part number 1812W-P replaces the existing Cisco part number 1812W-J for Japan starting with Cisco IOS® Software Release 12.4(6)T2 because of frequency changes in the 5-GHz band. This product bulletin provides content and delivery information specific to wireless features for the Cisco 1812 (1812W-P) and Cisco IOS Software Release 12.4(6)T2.

RELEASE OF CISCO 1812W-P AND END OF SALE FOR CISCO 1812W-J

Figure 1 shows the release schedule for the Cisco 1812W-P and the end-of-sale schedule for the Cisco 1812W-J.

Figure 1. Cisco 1812W-P Release Schedule



NEW FEATURES FOR CISCO 1812 INTEGRATED SERVICES ROUTER

Tables 1 and 2 list the wireless features delivered on the Cisco 1812W-P platform with Cisco IOS Software Release 12.4(6)T2.

Table 1. Features of Cisco 1812W-P Router with Cisco IOS Software Release 12.4(6)T2

Wireless Features	Cisco 1812W-P
802.11a/b/g	Yes
Antenna diversity	Yes
Static Wired Equivalent Privacy (WEP), Dynamic WEP, and Wi-Fi Protected Access Version 1 (WPAv1)	Yes
Local RADIUS authentication	Yes
Cisco LEAP, Extensible Authentication Protocol-Transparent LAN service (EAP-TLS), Protected EAP (PEAP), EAP-Flexible Authentication via Secure Tunneling (EAP-FAST)	Yes
Service Set Identifiers (SSIDs) and wireless VLANs	16
Wireless encrypted VLANs	4
Layer 3 routable dot11 interface	Yes
Enhanced syslog	Yes

Table 2. New Features of Cisco 1812W-P Router

New Wireless Features	Cisco 1812W-P
W52 and W53 (new frequency bands for Japan)	Yes
Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC)	Yes

DETAILED INFORMATION

New Features

- W52 and W53—W52 and W53 are Japan's new frequency bands, implemented because of regulation changes for the 5-GHz band. The W52 frequency consists of channels 5180, 5200, 5220, and 5240 MHz. The W53 frequency consists of channels 5250 to 5350 MHz and is for indoor use only.
- DFS and TPC—These features are part of the 802.11h specification. DFS is used to detect radar signals such as military and weather sources and switch channels on the access points. TPC is used by access points to relay transmit power information to wireless client devices. Client devices use the TPC information in conjunction with the access point signal strength to calculate path loss and the transmit power necessary for the client to reach the access point. TPC extends client device battery life.

ORDERING INFORMATION

Table 3 provides ordering information for the Cisco 1812W-P.

Table 3. Part Numbers and Product Description

Part Number	Cisco IOS Software Release	Product Description
CISCO1812W-AG-P/K9	Cisco IOS Software Release 12.4(6)T2 (minimum)	Security router with dual 10/100 WAN ports, 8-port 10/100BASE-T switch, ISDN S/T backup, Cisco IOS Advanced IP Services, 32-MB flash memory, 128-MB DRAM, and integrated Japan-compliant 802.11a/b/g wireless capability

FOR MORE INFORMATION

For more information about the Cisco 1800 Series, visit

http://www.cisco.com/en/US/prod/collateral/routers/ps5853/ps6184/product_data_sheet0900aecd8028a95f.html.

You may also contact your local Cisco account representative for information about the product.



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