



End-of-Sale and End-of-Life Announcement for the Cisco Catalyst 4000 Series Layer 3 Services Module and Associated Software

Cisco Systems® announces the end of life of the Cisco® Catalyst® 4000 Layer 3 Services Module. The last day to order the Cisco Catalyst 4000 Series Layer 3 Services Module is December 9, 2003. Customers will continue to receive support from the Cisco Technical Assistance Center (TAC) until December 7, 2008. Table 1 describes the end-of-life milestones, definitions, and dates for the Cisco Catalyst 4000 Series Layer 3 Services Module.

Customers are encouraged to migrate to the Cisco Catalyst 4500 Supervisor Engine IV, which provides nonblocking Layer 2–4 switching at 64 Gbps and 48 Mpps. The Cisco Catalyst 4500 Supervisor Engine IV also supports existing protocols such as Internetwork Packet Exchange (IPX) and AppleTalk in software with performance ranging from 80 Kpps to 90 Kpps in Cisco IOS® Software Release 12.1(13)EW. To address the loss of ports from migrating from a Cisco Catalyst 4000 Series Layer 3 Services Module to a WS-X4515, customers are encouraged to migrate to any desired Fast Ethernet or Gigabit Ethernet card offered within the Cisco Catalyst 4000 Series.

For more information about the Cisco Catalyst 4500 Supervisor Engine IV, go to:

http://www.cisco.com/en/US/products/hw/switches/ps4324/products_data_sheets_list.html

Table 1 End of Life Milestones and Dates for the Cisco Catalyst 4000 Series Layer 3 Services Module

Milestone	Definition	Date
End of life announcement date	The date the end of sale and end of life of a product is announced to the general public.	June 12, 2003
End of sale date	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale.	December 9, 2003
Last shipment date	The last possible date that Cisco and/or its contract manufacturers will ship the affected product.	March 9, 2004
End of software maintenance releases date	The last date that Cisco Engineering may release any final software maintenance releases or bug fixes. After this date, Cisco Engineering will no longer develop, repair, maintain, or test the product software.	December 8, 2004
End of routine failure analysis date	The last possible date a routine failure analysis may be performed to determine the cause of product failure or defect.	December 8, 2004



Table 1 End of Life Milestones and Dates for the Cisco Catalyst 4000 Series Layer 3 Services Module

Milestone	Definition	Date
End of new service attachment date	For equipment and software that is not covered by a service-and-support contract, this is the last date to order a new service-and-support contract or add the equipment and/or software to an existing service-and-support contract	December 8, 2004
End of service contract renewal date	The last date to extend or renew a service contract for the product. The extension or renewal period cannot extend beyond the last date of support.	December 12, 2007
Last date of support	The last date to receive service and support for the product. After this date, all support services for the product are unavailable, and the product becomes obsolete.	December 7, 2008

Table 2 lists the part numbers affected by this announcement.

Table 2 Product Part Numbers Affected by this Announcement

End of Sale Product Part Number	Product Description
WS-X4232-L3	Cisco Catalyst 4000 Series Layer 3 Services Module
WS-X4232-L3=	Cisco Catalyst 4000 Series Layer 3 Services Module (spare)
FR4232-L3-IP	Cisco Catalyst 4000 Series Layer 3 Enhanced IP License (Open Shortest Path First [OSPF], Interior Gateway Routing Protocol [IGRP], Enhanced IGRP [EIGRP], and Border Gateway Protocol [BGP])
FR4232-L3-IP=	Cisco Catalyst 4000 Series Layer 3 Enhanced IP License (OSPF, IGRP, EIGRP, and BGP) (spare)
FR4232-L3-IPX	Cisco Catalyst 4000 Series Layer 3 Enhanced IPX License
FR4232-L3-IPX=	Cisco Catalyst 4000 Series Layer 3 Enhanced IPX License (spare)
SC42Z-12.0.7W	Cisco IOS Software Release 12.0(7) (basic software for Cisco Catalyst 4232 Layer 3)
SC42Z-12.0.7W=	Cisco IOS Software Release 12.0(7) (basic software for Cisco Catalyst 4232 Layer 3) (spare)
SC42Z-12.0.14W	Cisco IOS Software Release 12.0(14) (basic software for Cisco Catalyst 4232 Layer 3)
SC42Z-12.0.14W=	Cisco IOS Software Release 12.0(14) (basic software for Cisco Catalyst 4232 Layer 3) (spare)

Product Migration Options

The recommended replacement for the Cisco Catalyst 4000 Series Layer 3 Services Module is the Cisco Catalyst 4500 Supervisor Engine IV. In cases where the Catalyst 4000 Series Layer 3 Services Module is deployed in conjunction with the Catalyst 4000 Supervisor Engine II in a Catalyst 4006, 4503, or 4506 chassis, a supervisor swap-out is necessary. However, if the Catalyst 4000 Series Layer 3 Services Module is deployed in conjunction with a Catalyst 4000 Supervisor Engine I in a Catalyst 4003 chassis, a supervisor engine, chassis, and power supply upgrade to the Catalyst 4503 chassis will be necessary (the Catalyst 4500 Supervisor Engine IV cannot be deployed in a Catalyst



4003 chassis). The Catalyst 4500 Supervisor Engine IV is compatible with all the Cisco Catalyst 4500 Series chassis, the widely deployed Catalyst 4006 chassis, and existing Catalyst 4000 Series line cards for maximum deployment flexibility.

Table 3 provides information for migrating from the Cisco Catalyst 4000 Series Layer 3 Services Module to the Cisco Catalyst 4500 Supervisor Engine IV.

Table 3 Replacement Products

End-of-Sale Product Part Number	Deployed With Chassis	Replacement Product Part Numbers
WS-X4232-L3(=)	Cisco Catalyst 4006, 4503, or 4506 chassis with Cisco Catalyst 4000 Supervisor Engine II	<ul style="list-style-type: none"> WS-X4515 WS-X4232-GB-RJ (or any Cisco Catalyst 4000 Series line card)
WS-X4232-L3(=)	Cisco Catalyst 4003 chassis with Cisco Catalyst 4000 Supervisor Engine I and WS-X4008 AC power supply	<ul style="list-style-type: none"> WS-C4503 PWR-C45-1000AC WS-X4515 WS-X4232-GB-RJ (or any Cisco Catalyst 4000 Series line card)
FR4232-L3-IP(=) (OSPF, IGRP, EIGRP, BGP)	Any Cisco Catalyst 4000 supervisor engine or chassis	<ul style="list-style-type: none"> S4KL3E-12113EW (enhanced Layer 3 services, including OSPF, IGRP, EIGRP, and Intermediate System to Intermediate System [IS-IS]) FR-IRC4 (BGP license)
FR4232-L3-IPX(=)	Any Cisco Catalyst 4000 supervisor engine or chassis	S4KL3-12113EW (basic Layer 3)
SC42Z-12.0.7W(=)	Any Cisco Catalyst 4000 supervisor engine or chassis	S4KL3-12113EW (basic Layer 3)
SC42Z-12.0.14W(=)	Any Cisco Catalyst 4000 supervisor engine or chassis	S4KL3-12113EW (basic Layer 3)

Customers can use the Cisco Technology Migration Plan (TMP) to trade in products and receive credit toward the purchase of new Cisco equipment. For more information about Cisco TMP, go to:

<http://www.cisco.com/go/tradein/>

The Cisco TMP application requires all users to have a Cisco.com user ID.

Cisco is offering enhanced trade-in values through the TMP for Cisco Catalyst 4000 Series Layer 3 Service Module trades for a limited time.

Refurbished Equipment Program

Customers may continue to purchase the Cisco Catalyst 4000 Series Layer 3 Services Module through the Cisco Authorized Refurbished Equipment program. Refurbished units are available in limited supply for sale in certain countries on a first-come, first-served basis. For information about the Cisco Authorized Refurbished Equipment program, visit:

http://www.cisco.com/en/US/ordering/or6/or17/order_refurbished_equipment_program_description.html

For more information about the Cisco End-of-Life Policy, visit:



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