

## End-of-Sale and End-of-Life Announcement for the Cisco Catalyst 4500E Series Supervisor Engine V-10GE and Select Line Cards

EOL8162 - Amended

Cisco announces the end-of-sale and end-of-life dates for the Cisco Catalyst 4500E Series Supervisor Engine V-10GE and Select Line Cards. The last day to order the affected product(s) is October 19, 2012. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) as shown in Table 1 of the EoL bulletin. Table 1 describes the end-of-life milestones, definitions, and dates for the affected product(s). Table 2 lists the product part numbers affected by this announcement. For customers with active and paid service and support contracts, support will be available until the termination date of the contract, even if this date exceeds the Last Date of Support shown in Table 1.

Three months after the end-of-life announcement date, the price of the Cisco 4500E Series Supervisor Engine and line cards listed in this announcement may increase 15 percent in order to accommodate the fluctuating component costs for these products. The replacement supervisor engines and line cards are better than the end-of-sale products, and their prices are equivalent or lower.

**Table 1.** End-of-Life Milestones and Dates for the Cisco Catalyst 4500E Series Supervisor Engine V-10GE and Select Line Cards

Milestone	Definition	Date
<b>End-of-Life Announcement Date</b>	The date the document that announces the end-of-sale and end-of-life of a product is distributed to the general public.	April 20, 2012
<b>End-of-Sale Date</b>	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	October 19, 2012
<b>Last Ship Date: HW</b>	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	January 17, 2013
<b>End of SW Maintenance Releases Date: HW</b>	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.	October 19, 2013
<b>End of Vulnerability/Security Support: OS SW</b>	The last date that Cisco Engineering may release a planned maintenance release or scheduled software remedy for a security vulnerability issue.	October 19, 2015
<b>End of Routine Failure Analysis Date: HW</b>	The last-possible date a routine failure analysis may be performed to determine the cause of hardware product failure or defect.	October 19, 2013
<b>End of New Service Attachment Date: HW</b>	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.	October 19, 2013
<b>End of Service Contract Renewal Date: HW</b>	The last date to extend or renew a service contract for the product.	January 14, 2017

Milestone	Definition	Date
<b>Last Date of Support: HW</b>	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.	October 31, 2017

HW = Hardware OS SW = Operating System Software App. SW = Application Software

**Table 2.** Product Part Numbers Affected by This Announcement

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
<b>WS-X4516-10GE</b>	Catalyst 4500 Supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)	WS-X45-SUP7-E	Catalyst 4500 E-Series Supervisor, 848Gbps	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4516-10GE</b>	Catalyst 4500 Supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)	WS-X45-SUP7L-E	Catalyst 4500 E-Series Supervisor 7L-E, 520Gbps	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4516-10GE=</b>	Catalyst 4500 Supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)	WS-X45-SUP7L-E=	Catalyst 4500 E-Series Supervisor 7L-E, 520Gbps	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45</b>	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)	WS-X4648-RJ45-E	Catalyst 4500 E-Series 48-Port 10/100/1000 (RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45</b>	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)	WS-X4748-RJ45-E	Catalyst 4500 E-Series 48-Port 10/100/1000 Non-Blocking	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45=</b>	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)	WS-X4648-RJ45-E=	Catalyst 4500 E-Series 48-Port 10/100/1000 (RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45=</b>	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)	WS-X4748-RJ45-E=	Catalyst 4500 E-Series 48-Port 10/100/1000 (spare)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45V</b>	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)	WS-X4648-RJ45V+E	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45V</b>	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)	WS-X4748-UPOE+E	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45V=</b>	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)	WS-X4648-RJ45V+E=	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4548-GB-RJ45V=</b>	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)	WS-X4748-UPOE+E=	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4648-RJ45V-E</b>	Catalyst 4500 E-Series 48-Port PoE 802.3af 10/100/1000(RJ45)	WS-X4748-UPOE+E	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section
<b>WS-X4648-RJ45V-E=</b>	Catalyst 4500 E-Series 48-Port PoE 802.3af 10/100/1000(RJ45)	WS-X4748-UPOE+E=	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	— For Cisco Catalyst 9400 information, please refer to Product Migration Options section

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## Product Migration Options

Customers are encouraged to migrate from the Cisco 4500E Series Supervisor Engine V-10GE to the Cisco 4500E Series Supervisor Engine 7-E or 7L-E. Supervisor Engines 7-E and 7L-E provide unprecedented 848 Gbps and 520 Gbps system performance with 48 Gbps per slot to every line card. Supervisor Engines 7-E and 7L-E also support borderless network services, including Flexible Netflow (FNF), that are not supported on the Supervisor Engine V-10GE.

For a comparison between Catalyst 4500E Supervisor Engines please refer to:

[https://www.cisco.com/en/US/products/hw/switches/ps4324/prod\\_models\\_comparison.html](https://www.cisco.com/en/US/products/hw/switches/ps4324/prod_models_comparison.html).

The Cisco 4500 data line card WS-X4548-GB-RJ45 can be replaced by the WS-X4748-RJ45-E or WS-X4648-RJ45-E line card.

The Cisco 4500 PoE line cards WS-X4548-GB-RJ45V, and WS-X4648-RJ45V-E are replaced by WS-X4748-UPOE+E UPOE (up to 60 watts) or WS-X4648-RJ45V+E PoEP (up to 30 watts) line cards.

The WS-X4748-UPOE+E and WS-X4748-RJ45-E line cards support 48 Gbps per slot, whereas the WS-X4548-GB-RJ45, and WS-X4548-GB-RJ45V, and are limited to 6 Gbps per slot. The Cisco 4500E Series line card type 4748 is compatible with all 4500E Series chassis with 7-E and 7L-E Supervisor Engines.

Customers also have the option to migrate to WS-X4648-RJ45-E or WS-X4648-RJ45V+E line cards that offer 24 Gbps per slot. The Cisco 4500E Series line card type 4648 is compatible with all 4500E Series chassis with all the supported Supervisor Engines, including 7-E, 7L-E, 6-E, and 6L-E.

Products in the 4500E Series line cards can be found at:

[https://www.cisco.com/en/US/prod/collateral/modules/ps2710/ps5494/product\\_data\\_sheet0900aecd802109ea\\_ps4324\\_Products\\_Data\\_Sheet.html](https://www.cisco.com/en/US/prod/collateral/modules/ps2710/ps5494/product_data_sheet0900aecd802109ea_ps4324_Products_Data_Sheet.html).

The Catalyst 9400 is the next generation of the industry's most widely deployed Catalyst 4500 enterprise switching platform. Customers are encouraged to migrate to the Cisco Catalyst 9400. These modular access switches are built for security, Internet of Things (IoT), and the cloud. The platform provides unparalleled investment protection with a chassis architecture that is capable of supporting up to 9Tbps of system bandwidth and unmatched power delivery for high density IEEE 802.3BT (60W PoE). Redundancy is now table stakes across the portfolio. The Catalyst 9400 delivers state-of-the-art High Availability (HA) with capabilities like uplink resiliency, N+1/N+N redundancy for power supplies. The platform is enterprise optimized with an innovative dual-serviceable fan tray design, side to side airflow and is closet-friendly with ~16" depth. The platform also supports advanced routing and infrastructure services, SD-Access capabilities and network system virtualization. Information about this product can be found at: <https://www.cisco.com/c/en/us/products/switches/catalyst-9400-series-switches/index.html>"

Customers may be able to use the Cisco Technology Migration Program (TMP) where applicable to trade-in eligible products and receive credit toward the purchase of new Cisco equipment. For more information about Cisco TMP, customers should work with their Cisco Partner or Cisco account team. Cisco Partners can find additional TMP information on Partner Central at

[https://www.cisco.com/web/partners/incentives\\_and\\_promotions/tmp.html](https://www.cisco.com/web/partners/incentives_and_promotions/tmp.html)

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Customers may be able to continue to purchase the Cisco Catalyst 4500E Series Supervisor Engine V-10GE and Select Line Cards through the Cisco Certified Refurbished Equipment program. Refurbished units may be available in limited supply for sale in certain countries on a first-come, first-served basis until the Last Date of Support has been reached. For information about the Cisco Certified Refurbished Equipment program, go to:

<https://www.cisco.com/go/eos>.

Service prices for Cisco products are subject to change after the product End-of-Sale date.

The Cisco Takeback and Recycle program helps businesses dispose properly of surplus products that have reached their end of useful life. The program is open to all business users of Cisco equipment and its associated brands and subsidiaries. For more information, go to:

[https://www.cisco.com/web/about/ac227/ac228/ac231/about\\_cisco\\_takeback\\_recycling.html](https://www.cisco.com/web/about/ac227/ac228/ac231/about_cisco_takeback_recycling.html)

### For More Information

For more information about the High-Performance Cisco Catalyst 4500E Series Supervisor Engines and Line Cards, visit [https://www.cisco.com/en/US/products/hw/switches/ps4324/products\\_data\\_sheets\\_list.html](https://www.cisco.com/en/US/products/hw/switches/ps4324/products_data_sheets_list.html), or contact your local account representative.

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

[https://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](https://www.cisco.com/en/US/products/products_end-of-life_policy.html).

For more information about the Cisco Product Warranties, go to:

[https://www.cisco.com/en/US/products/prod\\_warranties\\_listing.html](https://www.cisco.com/en/US/products/prod_warranties_listing.html).

To subscribe to receive end-of-life/end-of-sale information, go to:

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