# End-of-Sale and End-of-Life Announcement for the Cisco Catalyst 4500E Line Cards

EOL10936 - Amended

Cisco announces the end-of-sale and end-of-life dates for the Cisco Catalyst 4500E Line Cards. The last day to order the affected product(s) is April 30, 2017. 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 under the terms and conditions of customers' service contract.

**Table 1.**    End-of-Life Milestones and Dates for the Cisco Catalyst 4500E Line Cards

| Milestone | Definition | Date |
|---|---|---|
| **End-of-Life Announcement Date** | The date the document that announces the end-of-sale and end-of-life of a product is distributed to the general public. | April 30, 2016 |
| **End-of-Sale Date** | The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date. | April 30, 2017 |
| **Last Ship Date: HW** | The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time. | July 29, 2017 |
| **End of SW Maintenance Releases Date: HW** | 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. | April 30, 2018 |
| **End of Routine Failure Analysis Date: HW** | The last-possible date a routine failure analysis may be performed to determine the cause of hardware product failure or defect. | April 30, 2018 |
| **End of New Service Attachment Date: HW** | 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. | April 30, 2018 |
| **End of Service Contract Renewal Date: HW** | The last date to extend or renew a service contract for the product. | July 29, 2021 |
| **Last Date of Support: HW** | The last date to receive applicable service and support for the product as entitled by active service contracts or by warranty terms and conditions. After this date, all support services for the product are unavailable, and the product becomes obsolete. | April 30, 2022 |

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 |
|---|---|---|---|---|
| C4500E-S7L-DEFAULT | Default WS-X45-SUP7L-E with WS-X4648-RJ45V+E Bundle | There is currently no replacement product available for this product. | - | For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| ME-X4248-FE-SFP | 48port FE SFP FTTH module, GLC-FE-100BX-D48 is required | ME-X4640-CSFP-E | 80 Port GE CSFP FTTx, 2BX-D CSFP bundle mandatory | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| ME-X4248-FE-SFP= | Catalyst 4500 48 Port 100BASE-X (SFP Optional) | ME-X4640-CSFP-E= | 80 Port GE CSFP FTTx, 2BX-D CSFP bundle mandatory | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-450096V | 4506-E Chassis, TwoWS-X4648-RJ45V+E, Sup8-E | There is currently no replacement product available for this product. | - | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-C4506E-S7L+96 | 4506E Chassis, 1 SUP7L-E, 2 WS-X4648-RJ45-E, LAN base | There is currently no replacement product available for this product. | - | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-C4507RE-S7L+96 | 4507R+E Chassis, 1 SUP7L-E, 2 WS-X4648-RJ45-E, LAN base | There is currently no replacement product available for this product. | - | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4148-FX-MT | Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ) | WS-X4640-CSFP-E | Catalyst 4500 40 SFP/80 C-SFP ports 1000BaseX(SFPs Optional) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4148-FX-MT | Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ) | WS-X4748-SFP-E | Catalyst 4500 E-Series 48-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4148-FX-MT++= | Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ)(Spare) | WS-X4640-CSFP-E++= | Catalyst 4500 40 SFP/80 C-SFP ports 1000BaseX(SFPs Optional) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4148-FX-MT++= | Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ)(Spare) | WS-X4748-SFP-E++= | Catalyst 4500 E-Series 48-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4148-FX-MT= | Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ)(Spare) | WS-X4640-CSFP-E= | Catalyst 4500 40 SFP/80 C-SFP ports 1000BaseX(SFPs Optional) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4148-FX-MT= | Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ)(Spare) | WS-X4748-SFP-E= | Catalyst 4500 E-Series 48-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4248-FE-SFP | Catalyst 4500 48-Port 100BASE-X (SFPs Optional) | WS-X4640-CSFP-E | Catalyst 4500 40 SFP/80 C-SFP ports 1000BaseX(SFPs Optional) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4248-FE-SFP | Catalyst 4500 48-Port 100BASE-X (SFPs Optional) | WS-X4748-SFP-E | Catalyst 4500 E-Series 48-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4248-FE-SFP++= | Catalyst 4500 48-Port 100BASE-X (SFPs Optional) | WS-X4640-CSFP-E++= | Catalyst 4500 40 SFP/80 C-SFP ports 1000BaseX(SFPs Optional) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |

| End-of-Sale Product Part Number | Product Description | Replacement Product Part Number | Replacement Product Description | Additional Information |
|---|---|---|---|---|
| WS-X4248-FE-SFP++= | Catalyst 4500 48-Port 100BASE-X (SFPs Optional) | WS-X4748-SFP-E++= | Catalyst 4500 E-Series 48-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4248-FE-SFP= | Catalyst 4500 48-Port 100BASE-X (SFPs Optional) | WS-X4640-CSFP-E= | Catalyst 4500 40 SFP/80 C-SFP ports 1000BaseX(SFPs Optional) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4248-FE-SFP= | Catalyst 4500 48-Port 100BASE-X (SFPs Optional) | WS-X4748-SFP-E= | Catalyst 4500 E-Series 48-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4606-X2-E | Catalyst 4500 E-Series 6-Port 10GbE (X2) | WS-X4712-SFP+E | Catalyst 4500 E-Series 12-Port 10GbE (SFP+) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4606-X2-E++= | Catalyst 4500 E-Series 6-Port 10GbE (X2) | WS-X4712-SFP+E++= | Catalyst 4500 E-Series 12-Port 10GbE (SFP+) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4606-X2-E= | Catalyst 4500 E-Series 6-Port 10GbE (X2) | WS-X4712-SFP+E= | Catalyst 4500 E-Series 12-Port 10GbE (SFP+) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4612-SFP-E | Catalyst 4500 E-Series 12-Port GE (SFP) | WS-X4712-SFP-E | Catalyst 4500 E-Series 12-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4612-SFP-E++= | Catalyst 4500 E-Series 12-Port GE (SFP) | WS-X4712-SFP-E++= | Catalyst 4500 E-Series 12-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4612-SFP-E= | Catalyst 4500 E-Series 12-Port GE (SFP) | WS-X4712-SFP-E= | Catalyst 4500 E-Series 12-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4624-SFP-E | Catalyst 4500 E-Series 24-Port GE (SFP) | WS-X4724-SFP-E | Catalyst 4500 E-Series 24-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4624-SFP-E++= | Catalyst 4500 E-Series 24-Port GE (SFP) | WS-X4724-SFP-E++= | Catalyst 4500 E-Series 24-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4624-SFP-E= | Catalyst 4500 E-Series 24-Port GE (SFP) | WS-X4724-SFP-E= | Catalyst 4500 E-Series 24-Port GE (SFP) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4648-RJ45-E | Catalyst 4500 E-Series 48-Port 10/100/1000 (RJ45) | 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 |
| WS-X4648-RJ45-E++= | Catalyst 4500 E-Series 48-Port 10/100/1000 (RJ45) | 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 |
| WS-X4648-RJ45-E= | Catalyst 4500 E-Series 48-Port 10/100/1000 (RJ45) | 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 |
| WS-X4648-RJ45V+E | Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45) | WS-X4748-RJ45V+E | Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |

| End-of-Sale Product Part Number | Product Description | Replacement Product Part Number | Replacement Product Description | Additional Information |
|---|---|---|---|---|
| WS-X4648-RJ45V+E= | Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45) | WS-X4748-RJ45V+E= | Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |
| WS-X4648-RJ45VE++= | Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45) | WS-X4748-RJV+E++= | Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45) | - For Cisco Catalyst 9400 information, please refer to Product Migration Options section |

## Product Migration Options

Customers are encouraged to migrate to the latest Cisco Catalyst 4500E line cards.

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.

Customers may be able to continue to purchase the Cisco Catalyst 4500E 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 properly dispose 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.

## For More Information

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.

For more information about the Cisco Product Warranties, go to:
https://www.cisco.com/en/US/products/prod_warranties_listing.html.

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