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# End-of-Sale and End-of-Life Announcement for the Cisco Nexus 2232PP, 2232TM-E, 2332TQ, 2348TQ Fabric Extenders

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## Overview

### EOL13150 - Amended

Cisco announces the end-of-sale and end-of-life dates for the Cisco Nexus 2232PP, 2232TM-E, 2332TQ, 2348TQ Fabric Extenders. The last day to order the affected product(s) is September 9, 2020. 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.

## End-of-life milestones

**Table 1.** End-of-Life Milestones and Dates for the Cisco Nexus 2232PP, 2232TM-E, 2332TQ, 2348TQ Fabric Extenders

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.	September 10, 2019
<b>End-of-Sale Date: HW</b>	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	September 9, 2020
<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.	December 9, 2020
<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.	September 9, 2021
<b>End of Vulnerability/Security Support: HW</b>	The last date that Cisco Engineering may release a planned maintenance release or scheduled software remedy for a security vulnerability issue.	September 9, 2023
<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.	September 9, 2021
<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.	September 9, 2021
<b>End of Service Contract Renewal Date: HW</b>	The last date to extend or renew a service contract for the product.	December 8, 2024
<b>Last Date of Support: HW</b>	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.	September 30, 2025

HW = Hardware

OS SW = Operating System Software

App. SW = Application Software

## Product part numbers

**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
N2232PP-4FEX	4 x 2232PP Chassis Option with FETs	There is currently no replacement product available for this product.	-	-
N2232PP-6FEX	6 x 2232PP Chassis Option with FETs	There is currently no replacement product available for this product.	-	-
N2232PP-BA-BUN	Reversed airflow pack: N2K-C2232PP-10GE, 2AC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2232PP-BD-BUN	Reversed Airflow pack:N2K-C2232PP-10GE, 2 DC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2232PP-FA-BUN	Standard airflow pack: N2K-C2232PP-10GE, 2AC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2232PP-FD-BUN	Standard airflow/DC pack: N2K-C2232PP-10GE, 2DC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2232TP-E-BA-BUN	Reversed airflow/AC pack: N2K-C2232TM-E-10GE + Uplink Module	There is currently no replacement product available for this product.	-	-
N2232TP-E-FA-BUN	Standard airflow/AC pack: N2K-C2232TM-E-10GE + Uplink Module	There is currently no replacement product available for this product.	-	-
N2232TP-E-FA-BUN++	Standard airflow/AC pack: N2K-C2232TM-E-10GE + Uplink Module	There is currently no replacement product available for this product.	-	-
N2232TP-E-FD-BUN	Standard airflow/DC pack: N2K-C2232TM-E-10GE + Uplink Module	There is currently no replacement product available for this product.	-	-
N2332TQ-BA-BUN	Port Side Intake, airflow pack: N2K-C2348TQ, 2AC PS, 3Fan	There is currently no replacement product available for this product.	-	-
N2332TQ-BD-BUN	Port Side Intake, airflow pack: N2K-C2348TQ, 2DC PS, 3Fan	There is currently no replacement product available for this product.	-	-
N2332TQ-FA-BUN	Port Side Exhaust, airflow pack: N2K-C2348TQ, 2AC PS, 3Fan	There is currently no replacement product available for this product.	-	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
N2332TQ-FD-BUN	Port Side Exhaust, airflow pack: N2K-C2348TQ, 2DC PS, 3Fan	There is currently no replacement product available for this product.	-	-
N2348TQ-BA-BUN	Reverse airflow pack: N2K-C2348TQ, 2AC PS, 3 Fan	There is currently no replacement product available for this product.	-	-
N2348TQ-BD-BUN	Reverse airflow pack: N2K-C2348TQ, 2DC PS, 3 Fan	There is currently no replacement product available for this product.	-	-
N2348TQ-FA-BUN	Standard airflow pack: N2K-C2348TQ, 2AC PS, 3 Fan	There is currently no replacement product available for this product.	-	-
N2348TQ-FA-BUN++	Standard airflow pack: N2K-C2348TQ, 2AC PS, 3 Fan	There is currently no replacement product available for this product.	-	-
N2348TQ-FD-BUN	Standard airflow pack: N2K-C2348TQ, 2DC PS, 3 Fan	There is currently no replacement product available for this product.	-	-
N2K C2248 CHASSIS	N2K Power/Airflow packaged options	There is currently no replacement product available for this product.	-	-
N2K-C2232-FAN	N2200 10GE FEX Fan, Std airflow (port side exhaust)	There is currently no replacement product available for this product.	-	-
N2K-C2232-FAN-B	Nexus 2232PP FEX FAN, Back to Front Airflow, Spare	There is currently no replacement product available for this product.	-	-
N2K-C2232-FAN-B=	Nexus 2200 10GE FEX FAN, Reversed Airflow (Port side intake)	There is currently no replacement product available for this product.	-	-
N2K-C2232-FAN=	N2200 10GE FEX Fan, Std airflow (port side exhaust)	There is currently no replacement product available for this product.	-	-
N2K-C2232PF-10GE	Nexus 2232PP with 16 FET (2 AC PS, 1 FAN (Std Airflow))	There is currently no replacement product available for this product.	-	-
N2K-C2232PP	N2K-C2232PP-10GE (32x1/10GE+8x10GE), airflow/power option	N2K-C2348UPQ	Nexus 2000, 10GE UP FEX; 48x1/10GE SFP+; 6x40G QSFP	-
N2K-C2232PP++	N2K-C2232PP++ TAA PID	There is currently no replacement product available for this product.	-	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
N2K-C2232PP-10GE	N2K 10GE, 2 AC PS, 1 Fan (Std Air), 32x1/10GE+8x10GE	N2K-C2348UPQ	Nexus 2000, 10GE UP FEX; 48x1/10GE SFP+; 6x40G QSFP	-
N2K-C2232PP-BA-BUN	Reversed airflow pack: N2K-C2232PP-10GE, 2AC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2K-C2232PP-BD-BUN	Reversed Airflow pack:N2K-C2232PP-10GE, 2 DC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2K-C2232PP-BUN	Standard airflow/AC pack: N2K-C2232PP-10GE, 2AC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2K-C2232PP-FD-BUN	Standard airflow/DC pack: N2K-C2232PP-10GE, 2DC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2K-C2232TF-E	Nexus 2232TM-E with 16 FET, choice of airflow/power	There is currently no replacement product available for this product.	-	-
N2K-C2232TF-E++	Nexus 2232TM-E++ TAA PID	There is currently no replacement product available for this product.	-	-
N2K-C2232TM-E	N2K-C2232TM-E- 10GE (32x1/10GT+8x10GE), airflow/power option	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2232TM-E++	N2K-C2232TM-E++ TAA PID	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2232TM-E-10G=	N2K 10GE, no PS and no Fan, 32x1/10GT+Uplink Module	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2232TM-E-10GE	Not for orderability - N2K 10GT, 32x1/10GT+8x10GSFP+	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2232TP-E-BA-B	Reverse airflow/AC pack: N2K-C2232TM-E, 2AC PS, 1Fan	There is currently no replacement product available for this product.	-	-
N2K-C2232TP-E-FA-B	Standard airflow/AC pack: N2K-C2232TM-E, 2AC PS, 1Fan	There is currently no replacement product available for this product.	-	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
N2K-C2232TR-E	Nexus 2232TM-E Bundle with 2x QSFP-40G-SR4 8x SFP-10G-SR	There is currently no replacement product available for this product.	-	-
N2K-C2248PR++	Nexus 2248PQ Bundle with 4 QSFP-40G-SR4	There is currently no replacement product available for this product.	-	-
N2K-C2248TR-E	Nexus 2248TP-E with 1 x QSFP-40G-SR4 and 4 x SFP-10G-SR	There is currently no replacement product available for this product.	-	-
N2K-C2332TQ	Nexus 2300 Series 10GT FEX; 32x1/10GT; 4x40G QSF	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2332TQ-10GT	Nexus 2300, 10GT FEX; 32x100/1/10T; 4x40G QSFP	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2332TQ-10GT=	Nexus 2332TQspare; 32x1/10GT; 4x40G QSFP(no PS/fan)	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2332TQ4F	Nexus 2332TQ with 4 Bidi or (2 FET-40G & 8 FET-10G)	There is currently no replacement product available for this product.	-	-
N2K-C2332TQ8F	Nexus 2332TQ with 8 Bidi or (4 FET-40G & 16 FET-10G)	There is currently no replacement product available for this product.	-	-
N2K-C2348TQ	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2348TQ++	N2K-C2348TQ TAA PID	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2348TQ-10GE	Nexus 2300 Series 10GT FEX; 48x100M/1/10GT; 6x40G QSFP	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-
N2K-C2348TQ-10GE=	Nexus 2348TQ spare; 48x1/10T; 6x40G QSFP (no PS/fan)	N2K-C2348TQ-E	Nexus 2000, 10GT FEX; 48x1/10T; 6x40G QSFP	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
N2K-C2348TQ12F	Nexus 2348TQ with 12 Bidi or (6 FET-40G & 24 FET-10G)		There is currently no replacement product available for this product.	-
N2K-C2348TQ12F-E	Nexus 2348TQ-E with 12 Bidi or (6 FET-40G & 24 FET-10G)		There is currently no replacement product available for this product.	-
N2K-C2348TQ4F	Nexus 2348TQ with 4 Bidi or 2FET-40G and 8FET-10G		There is currently no replacement product available for this product.	-
N2K-C2348TQ4F-E	Nexus 2348TQ-E with 4 Bidi or 2FET-40G and 8FET-10G		There is currently no replacement product available for this product.	-
N2K-C2348TQ8F	Nexus 2348TQ with 8 Bidi or 4FET-40G and 16FET-10G		There is currently no replacement product available for this product.	-
N2K-C2348TQ8F-E	Nexus 2348TQ-E with 8 Bidi or 4FET-40G and 16FET-10G		There is currently no replacement product available for this product.	-
N2K-C2348TQF-QSA	Nexus 2348TQ with 12 FET-10G and 6 QSA		There is currently no replacement product available for this product.	-
N2K-UCS2232PF	Nexus 2232PP with 16 FET (2 AC PS, 1 FAN (Std Airflow))		There is currently no replacement product available for this product.	-
N2K-UCS2232PP	Nexus 2232PP(no PS, no Fan)		There is currently no replacement product available for this product.	-
N2232PP-FA-BUN++	Standard airflow pack: N2K-C2232PP-10GE, 2AC PS, 1Fan		There is currently no replacement product available for this product.	-
N2232PP-BA-BUN++	Reversed airflow pack: N2K-C2232PP-10GE, 2AC PS, 1Fan		There is currently no replacement product available for this product.	-
N2232PP-FD-BUN++	Standard airflow/DC pack: N2K-C2232PP-10GE, 2DC PS, 1Fan		There is currently no replacement product available for this product.	-
N2232PP-BD-BUN++	Reversed Airflow pack:N2K-C2232PP-10GE, 2 DC PS, 1Fan		There is currently no replacement product available for this product.	-
N2K-C2232-FAN-SN	N2K-C2232-FAN-SN - Service Specific		There is currently no replacement product available for this product.	-



End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
N2K-C2232-FAN-B-SN	N2K-C2232-FAN-B - Service Specific	There is currently no replacement product available for this product.	-	-
N2232TP-E-BA-BUN++	Reversed airflow/AC pack: N2K-C2232TM-E-10GE + Uplink Module	There is currently no replacement product available for this product.	-	-
N2232TP-E-FD-BUN++	Standard airflow/DC pack: N2K-C2232TM-E-10GE + Uplink Module	There is currently no replacement product available for this product.	-	-

## Product migration options

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).

Customers may be able to continue to purchase the Cisco Nexus 2232PP, 2232TM-E, 2332TQ, 2348TQ Fabric Extenders 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](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](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:

<https://www.cisco.com/cisco/support/notifications.html>.

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**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV Amsterdam,  
The Netherlands

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