

End-of-Sale and End-of-Life Announcement for the Cisco ASR 9000 Series 2nd Generation Ethernet Line Card Family

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EOL12289

Cisco announces the end-of-sale and end-of-life dates for the Cisco ASR 9000 Series 2nd Generation Ethernet Line Card Family. The last day to order the affected product(s) is May 11, 2019. 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 ASR 9000 Series 2nd Generation Ethernet Line Card Family

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.	May 11, 2018
End-of-Sale Date: HW, License	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	May 11, 2019
Last Ship Date: HW, License	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	August 10, 2019
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.	May 10, 2020
End of Vulnerability/Security Support: HW	The last date that Cisco Engineering may release a planned maintenance release or scheduled software remedy for a security vulnerability issue.	May 10, 2022
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.	May 10, 2020
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.	May 10, 2020
End of Service Contract Renewal Date: HW	The last date to extend or renew a service contract for the product.	August 9, 2023
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.	May 31, 2024

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

Note: 6.7 is the last release that will be supported for this HW bulletin. Please refer to [EOL13774](#) for EOL milestones for 6.7 release.

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
A9K-24X10GE-SE	24-port 10GE, Service Edge Optimized LC	A9K-24X10GE-1G-SE	ASR 9000 24-port 10GE & 1GE dual rate SE LC	-
A9K-24X10GE-SE	24-port 10GE, Service Edge Optimized LC	A9K-48X10GE-1G-SE	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-24X10GE-SE+++	ASR 9000 24-port 10GE, Service Edge Optimized LC (spare)	See the Product Migration Options section below for detailed information on replacing this product.	-	-
A9K-24X10GE-SE=	ASR 9000 24-port 10GE, Service Edge Optimized LC (spare)	A9K-24X10GE-1G-SE=	ASR 9000 24-port 10GE & 1GE dual rate SE LC	-
A9K-24X10GE-SE=	ASR 9000 24-port 10GE, Service Edge Optimized LC (spare)	A9K-48X10GE-1G-SE=	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-24X10GE-TR	24-port 10GE, Packet Transport Optimized L	A9K-24X10GE-1G-TR	ASR 9000 24-port 10GE & 1GE dual rate - TR LC	-
A9K-24X10GE-TR	24-port 10GE, Packet Transport Optimized L	A9K-48X10GE-1G-TR	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-24X10GE-TR+++	ASR 9000 24-port 10GE, Packet Transport Optimized LC (spare)	See the Product Migration Options section below for detailed information on replacing this product.	-	-
A9K-24X10GE-TR=	ASR 9000 24-port 10GE, Packet Transport Optimized LC (spare)	A9K-24X10GE-1G-TR=	ASR 9000 24-port 10GE & 1GE dual rate - TR LC	-
A9K-24X10GE-TR=	ASR 9000 24-port 10GE, Packet Transport Optimized LC (spare)	A9K-48X10GE-1G-TR=	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-36X10GE-SE	ASR 9000 36-port 10GE, Service Edge Optimized LC	A9K-48X10GE-1G-SE	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-36X10GE-SE+++	ASR 9000 36-port 10GE, Service Edge Optimized LC	See the Product Migration Options section below for detailed information on replacing this product.	-	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
A9K-36X10GE-SE=	ASR 9000 36-port 10GE, Service Edge Optimized LC	A9K-48X10GE-1G-SE=	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-36X10GE-TR	ASR 9000 36-port 10GE, Packet Transport Optimized LC	A9K-48X10GE-1G-TR	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-36X10GE-TR++=	ASR 9000 36-port 10GE, Packet Transport Optimized LC	See the Product Migration Options section below for detailed information on replacing this product.	-	-
A9K-36X10GE-TR=	ASR 9000 36-port 10GE, Packet Transport Optimized LC	A9K-48X10GE-1G-TR=	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-40GE-SE	40-Port GE Line Card, Service Edge Optimized	A9K-48X10GE-1G-SE	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-40GE-SE=	40-Port GE Line Card, Service Edge Optimized	A9K-48X10GE-1G-SE=	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-40GE-TR	40-Port GE Line Card, Packet Transport Optimized	A9K-48X10GE-1G-TR	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-40GE-TR=	40-Port GE Line Card, Packet Transport Optimized	A9K-48X10GE-1G-TR=	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-4T16GE-SE	4X10GE/16X1G Combo Linecard, Service Edge Optimized	A9K-24X10GE-1G-SE	ASR 9000 24-port 10GE & 1GE dual rate SE LC	-
A9K-4T16GE-SE	4X10GE/16X1G Combo Linecard, Service Edge Optimized	A9K-48X10GE-1G-SE	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-
A9K-4T16GE-SE=	4X10GE/16X1G Combo Linecard, Service Edge Optimized	A9K-24X10GE-1G-SE=	ASR 9000 24-port 10GE & 1GE dual rate SE LC	-
A9K-4T16GE-SE=	4X10GE/16X1G Combo Linecard, Service Edge Optimized	A9K-48X10GE-1G-SE=	ASR 9000 48-port 10GE & 1GE dual rate SE LC	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
A9K-4T16GE-TR	4X10GE/16X1G Combo Linecard, Packet Transport Optimized	A9K-24X10GE-1G-TR	ASR 9000 24-port 10GE & 1GE dual rate - TR LC	-
A9K-4T16GE-TR	4X10GE/16X1G Combo Linecard, Packet Transport Optimized	A9K-48X10GE-1G-TR	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-4T16GE-TR=	4X10GE/16X1G Combo Linecard, Packet Transport Optimized	A9K-24X10GE-1G-TR=	ASR 9000 24-port 10GE & 1GE dual rate - TR LC	-
A9K-4T16GE-TR=	4X10GE/16X1G Combo Linecard, Packet Transport Optimized	A9K-48X10GE-1G-TR=	ASR 9000 48-port 10GE & 1GE dual rate - TR LC	-
A9K-MOD160-SE	160G Modular Linecard, Service Edge Optimized	A9K-MOD400-SE	400G Modular Linecard, Service Edge Optimized	-
A9K-MOD160-SE+++	160G Modular Linecard Service Edge Optimized	See the Product Migration Options section below for detailed information on replacing this product.	-	-
A9K-MOD160-SE=	160G Modular Linecard Service Edge Optimized	A9K-MOD400-SE=	400G Modular Linecard, Service Edge Optimized	-
A9K-MOD160-TR	160G Modular Linecard, Packet Transport Optimized	A9K-MOD400-TR	400G Modular Linecard, Packet Transport Optimized	-
A9K-MOD160-TR+++	160G Modular Linecard, Packet Transport Optimized	See the Product Migration Options section below for detailed information on replacing this product.	-	-
A9K-MOD160-TR=	160G Modular Linecard, Packet Transport Optimized	A9K-MOD400-TR=	400G Modular Linecard, Packet Transport Optimized	-
A9K-MOD80-SE	80G Modular Linecard, Service Edge Optimized	A9K-MOD200-SE	200G Modular Linecard, Service Edge Optimized	-
A9K-MOD80-SE=	80G Modular Linecard, Service Edge Optimized (spare)	A9K-MOD200-SE=	200G Modular Linecard, Service Edge Optimized	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
A9K-MOD80-TR	80G Modular Linecard, Packet Transport Optimized	A9K-MOD200-TR	200G Modular Linecard, Packet Transport Optimized	-
A9K-MOD80-TR=	80G Modular Linecard, Packet Transport Optimized (spare)	A9K-MOD200-TR=	200G Modular Linecard, Packet Transport Optimized	-
A9K-24X10-OPT-LIC	Advanced Optics License for 24X10GE Linecard	There is currently no replacement product available for this product.	-	-
A9K-24X10-VID-LIC	Advanced Video & Multicast License for 24X10GE Linecard	There is currently no replacement product available for this product.	-	-
A9K-24X10G-AIP-SE	L3 VPN License for 24X10GE Linecard Service Edge Optimized	There is currently no replacement product available for this product.	-	-
A9K-24X10G-AIP-TR	L3 VPN License for 24X10GE Linecard Transport Optimized	There is currently no replacement product available for this product.	-	-
A9K-24XT-V6-INLN	Inline License for CGv6 Transformation features on 24X10 LC	There is currently no replacement product available for this product.	-	-
A9K-24XT-V6-INLN=	Inline License for CGv6 Transformation features on 24X10 LC	There is currently no replacement product available for this product.	-	-
A9K-2T-SE-LIC	20G Upgrade License on A9K-4T16GE-SE Line card	There is currently no replacement product available for this product.	-	-
A9K-2T-SE-LIC=	20G Upgrade License on A9K-4T16GE-SE Line card	There is currently no replacement product available for this product.	-	-
A9K-2T-TR-LIC	20G Upgrade License on A9K-4T16GE-TR Line card	There is currently no replacement product available for this product.	-	-
A9K-2T-TR-LIC=	20G Upgrade License on A9K-4T16GE-TR Line card	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
A9K-36X10-OPT-LIC	Advanced Optics License for 36X10GE Linecard	There is currently no replacement product available for this product.	-	-
A9K-36X10-OPT-LIC=	Advanced Optics License for 36X10GE Linecard	There is currently no replacement product available for this product.	-	-
A9K-36X10-VID-LIC	Advanced Video & Multicast License for 36X10GE Linecard	There is currently no replacement product available for this product.	-	-
A9K-36X10-VID-LIC=	Advanced Video & Multicast License for 36X10GE Linecard	There is currently no replacement product available for this product.	-	-
A9K-36X10G-AIP-SE	L3 VPN License for 36X10GE Linecard Service Edge Optimized	There is currently no replacement product available for this product.	-	-
A9K-36X10G-AIP-SE=	L3 VPN License for 36X10GE Linecard Service Edge Optimized	There is currently no replacement product available for this product.	-	-
A9K-36X10G-AIP-TR	L3 VPN License for 36X10GE Linecard Transport Optimized	There is currently no replacement product available for this product.	-	-
A9K-36X10G-AIP-TR=	L3 VPN License for 36X10GE Linecard Transport Optimized	There is currently no replacement product available for this product.	-	-
A9K-36XT-V6-INLN	Inline License for CGv6 Transformation features on 36X10 LC	There is currently no replacement product available for this product.	-	-
A9K-36XT-V6-INLN=	Inline License for CGv6 Transformation features on 36X10 LC	There is currently no replacement product available for this product.	-	-
A9K-40G-AIP-SE	L3VPN Line Card License, for use with A9K-40GE-SE Line Cards	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
A9K-40G-AIP-SE=	L3VPN Line Card License, for use with A9K-40GE-SE Line Cards	There is currently no replacement product available for this product.	-	-
A9K-40G-AIP-TR	L3VPN Line Card License, for use with A9K-40GE-TR Line Cards	There is currently no replacement product available for this product.	-	-
A9K-40G-AIP-TR=	L3VPN Line Card License, for use with A9K-40GE-TR Line Cards	There is currently no replacement product available for this product.	-	-
A9K-40G-VID-LIC	Advanced Video License, for use with A9K-40G Line Cards	There is currently no replacement product available for this product.	-	-
A9K-40G-VID-LIC=	Advanced Video License, for use with A9K-40G Line Cards	There is currently no replacement product available for this product.	-	-
A9K-4T16G-VID-LIC	L3VPN Line Card License, for use with A9K-4T16GE Line Cards	There is currently no replacement product available for this product.	-	-
A9K-4T16G-VID-LIC=	L3VPN Line Card License, for use with A9K-4T16GE Line Cards	There is currently no replacement product available for this product.	-	-
A9K-4T16GE-AIP-SE	L3VPN Line Card License, for use with A9K-4T16GE Line Cards	There is currently no replacement product available for this product.	-	-
A9K-4T16GE-AIP-SE=	L3VPN Line Card License, for use with A9K-4T16GE Line Cards	There is currently no replacement product available for this product.	-	-
A9K-4T16GE-AIP-TR	L3VPN Line Card License, for use with A9K-4T16GE Line Cards	There is currently no replacement product available for this product.	-	-
A9K-4T16GE-AIP-TR=	L3VPN Line Card License, for use with A9K-4T16GE Line Cards	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
A9K-M160-V6-INLN	License for Inline CGv6 Transformation features on the MOD16	There is currently no replacement product available for this product.	-	-
A9K-M160-V6-INLN=	License for Inline CGv6 Transformation features on the MOD16	There is currently no replacement product available for this product.	-	-
A9K-M80-V6-INLN	License for Inline CGv6 Transformation features on the MOD8	There is currently no replacement product available for this product.	-	-
A9K-M80-V6-INLN=	License for Inline CGv6 Transformation features on the MOD8	There is currently no replacement product available for this product.	-	-
A9K-MD160-OPT-LIC	Advanced Optics license for MOD160 Linecard	There is currently no replacement product available for this product.	-	-
A9K-MD160-VID-LIC	Advanced Video & Multicast license for MOD160 Linecard	There is currently no replacement product available for this product.	-	-
A9K-MOD160-AIP-SE	L3 VPN license for MOD160 Linecard, Service Edge Optimized	There is currently no replacement product available for this product.	-	-
A9K-MOD160-AIP-TR	L3 VPN license for MOD160 Linecard, Transport Optimized	There is currently no replacement product available for this product.	-	-
A9K-MOD80-AIP-SE	L3 VPN License for MOD80 Linecard Service Edge Optimized	There is currently no replacement product available for this product.	-	-
A9K-MOD80-AIP-TR	L3 VPN license for MOD80 Linecard, Transport Optimized	There is currently no replacement product available for this product.	-	-
A9K-MOD80-OPT-LIC	Advanced Optics License for MOD80 Linecard	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
A9K-MOD80-VID-LIC	Advanced Video & Multicast License for MOD80 Linecard	There is currently no replacement product available for this product.	-	-
A9K-SYS-VID-LIC	Advanced Video & Multicast License for the System	There is currently no replacement product available for this product.	-	-
L-A9K-SYS-VID-LIC=	Advanced Video License for the System	There is currently no replacement product available for this product.	-	-
S-A9K-24TG-V6INLN	Inline Lic for CGv6 Transformation on 24X10 LC (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TG-V6INLN=	Inline Lic for CGv6 Transformation on 24X10 LC (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TGAIPSE	L3 VPN Lic for 24X10GE LC Service Edge Optimized (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TGAIPSE=	L3 VPN Lic for 24X10GE LC Service Edge Optimized (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TGAIPTR	L3 VPN Lic for 24X10GE LC Transport Optimized (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TGAIPTR=	L3 VPN Lic for 24X10GE LC Transport Optimized (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TGOPT-LIC	Advanced Optics License for 24X10GE Linecard (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-24TGOPT-LIC=	Advanced Optics License for 24X10GE Linecard (Smart)	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
S-A9K-24TGVID-LIC	Advanced Video & Multicast License for 24X10GE LC (Smart)	There is currently no replacement product available for this product.	-	-
S-A9K-40G-AIP-SE	ASR 9K Smart License L3 VPN for 40x10GE - SE Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-40G-AIP-TR	ASR 9K Smart License L3 VPN for 40x10GE - TR Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-40G-VID-LIC	ASR 9K Smart License Advanced Video and Multicast 40x10GE	There is currently no replacement product available for this product.	-	-
S-A9K-4T16G-AIPSE	ASR 9K Smart License L3 VPN for 4T16G -SE Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-4T16G-AIPTR	ASR 9K Smart License L3 VPN for 4T16G -TR Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-4T16GVIDLIC	ASR 9K Smart License Advanced Video and Multicast 4T16G	There is currently no replacement product available for this product.	-	-
S-A9K-M160-V6INLN	ASR 9K Smart License In-line CGv6 Transformation for Mod160	There is currently no replacement product available for this product.	-	-
S-A9K-M80-V6INLN	ASR 9K Smart License In-line CGv6 Transformation for Mod80	There is currently no replacement product available for this product.	-	-
S-A9K-MD160AIPSE	ASR 9K Smart License L3 VPN for Mod160 - SE Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-MD160AIPTR	ASR 9K Smart License L3 VPN for Mod160 - TR Linecard	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
S-A9K-MD160OPTLIC	ASR 9K Smart License Advanced Optical for Mod160 Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-MD160VIDLIC	ASR 9K Smart License Advanced Video and Multicast for Mod160	There is currently no replacement product available for this product.	-	-
S-A9K-MD80AIPSE	ASR 9K Smart License L3 VPN for Mod80 -SE Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-MD80AIPTR	ASR 9K Smart License L3 VPN for Mod80 -TR Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-MD80OPTLIC	ASR 9K Smart License Advanced Optical for Mod80 Linecard	There is currently no replacement product available for this product.	-	-
S-A9K-MD80VIDLIC	ASR 9K Smart License Advanced Video and Multicast for Mod80	There is currently no replacement product available for this product.	-	-

Product migration options

Customers are encouraged to migrate to the Cisco ASR 9000 Series 3rd generation high density Ethernet line cards. Information about this product can be found at: <https://www.cisco.com/c/en/us/products/routers/asr-9000-series-aggregation-services-routers/index.html>. For reduced initial bandwidth needs, please also consider the available Consumption Model variants of the migration PIDs.

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 ASR 9000 Series 2nd Generation Ethernet Line Card Family 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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