



END OF LIFE NOTIFICATION PROCEDURE

EOL Notification Procedure #	LCR-000838
EOL Title	EOL Notice for Specific OPNs of NVIDIA® Mellanox® ConnectX-6, ConnectX-6 Dx and ConnectX-6 Lx EN Adapter Cards
Customer	All
Notice Date	Jan. 24, 2022

Dear Customer,

Effective immediately, NVIDIA Networking is announcing the manufacture discontinue and End of Life (EoL) of the low-market-interest part numbers listed in Table 1. Customers will continue to have access to a rich and consolidated portfolio of ConnectX-6 / ConnectX-6 Dx / ConnectX-6 Lx network adapters, offering leading performance and features. The suggested replacement products are provided in the same table.

Table 1: EoL'd Product Ordering Part Numbers (OPNs) and Replacement Product OPNs

Discontinued Part Numbers	Marketing Description	Last Supported Firmware Version	Replacement Part Numbers	Replacement OPN Marketing Description
MCX614105A-VCAT	ConnectX-6 EN adapter card kit, 200GbE, single-port QSFP56, Socket Direct 2x PCIe3.0 x16, tall brackets	fw-ConnectX6-rel-20_31_1014	MCX654105A-HCAT	ConnectX-6 VPI adapter card kit, HDR IB (200Gb/s) and 200GbE, single-port QSFP56, Socket Direct 2x PCIe3.0 x16, tall brackets
MCX614106A-CCAT	ConnectX-6 EN adapter card kit, 100GbE, dual-port QSFP56, Socket Direct 2x PCIe3.0 x16, tall brackets	fw-ConnectX6-rel-20_31_1014	MCX654106A-ECAT	ConnectX-6 VPI adapter card kit, 100Gb/s (HDR100, EDR InfiniBand and 100GbE), dual-port QSFP56, Socket Direct 2x PCIe3.0 x16, tall brackets
MCX614106A-VCAT	ConnectX-6 EN adapter card kit, 200GbE, dual-port QSFP56, Socket Direct 2x PCIe3.0 x16, tall brackets	fw-ConnectX6-rel-20_31_1014	MCX654106A-HCAT	ConnectX-6 VPI adapter card kit, HDR IB (200Gb/s) and 200GbE, dual-port QSFP56, Socket Direct 2x PCIe3.0 x16, tall brackets
MCX621102AE-ADAT	ConnectX-6 Dx EN adapter card, 25GbE, Dual-port SFP28, PCIe 4.0 x8, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Dx-rel-22_31_1014	MCX621102AC-ADAT	ConnectX-6 Dx EN adapter card, 25GbE, Dual-port SFP28, PCIe 4.0 x8, Crypto and Secure Boot, Tall Bracket
MCX623102AE-GDAT	ConnectX-6 Dx EN adapter card, 50GbE, Dual-port SFP56, PCIe 4.0 x16, Crypto, No Secure	fw-ConnectX6Dx-rel-22_31_1014	MCX623102AC-GDAT	ConnectX-6 Dx EN adapter card, 50GbE, Dual-port SFP56, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket

	Boot, Tall Bracket			
MCX623102AS-GDAT	ConnectX-6 Dx EN adapter card, 50GbE, Dual-port SFP56, PCIe 4.0 x16, Secure Boot, No Crypto, Tall Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623102AC-GDAT	ConnectX-6 Dx EN adapter card, 50GbE, Dual-port SFP56, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623105AE-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Single-port QSFP56, PCIe 4.0 x16, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623105AC-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Single-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623105AE-VDAT	ConnectX-6 Dx EN adapter card, 200GbE, Single-port QSFP56, PCIe 4.0 x16, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623105AC-VDAT	ConnectX-6 Dx EN adapter card, 200GbE, Single-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623105AS-VDAT	ConnectX-6 Dx EN adapter card, 200GbE, Single-port QSFP56, PCIe 4.0 x16, Secure Boot, No Crypto, Tall Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623105AN-VDAT	ConnectX-6 Dx EN adapter card, 200GbE, Single-port QSFP56, PCIe 4.0 x16, No Crypto, Tall Bracket
MCX623106AE-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, PCIe 4.0 x16, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623106AC-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623106GN-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP GM support and GNSS, PPS Out, PCIe 4.0 x16, No Crypto, Tall Bracket	fw-ConnectX6Dx-re I-22_30_1400	MCX623106GC-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP GM support and GNSS, PPS Out, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623106PC-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, with PPS In/Out, PCIe 4.0 x16, Crypto and	fw-ConnectX6Dx-re I-22_31_1014	MCX623106TC-CDAT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP, PPS In/Out, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket

	Secure Boot, Tall Bracket			
MCX623106PE-CDA T	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, with PPS In/Out, PCIe 4.0 x16, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Dx-re l-22_31_1014	MCX623106TC-CDA T	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP, PPS In/Out, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623106PN-CD AT	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, with PPS In/Out, PCIe 4.0 x16, No Crypto, Tall Bracket	fw-ConnectX6Dx-re l-22_31_1014	MCX623106TC-CDA T	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP, PPS In/Out, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623106TN-CDA T	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP, PPS In/Out, PCIe 4.0 x16, No Crypto, Tall Bracket	fw-ConnectX6Dx-re l-22_30_1400	MCX623106TC-CDA T	ConnectX-6 Dx EN adapter card, 100GbE, Dual-port QSFP56, Enhanced-SyncE & PTP, PPS In/Out, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket
MCX623109AC-CDA T	ConnectX-6 Dx EN adapter card, 100GbE, Single-port DSFP, PCIe 4.0 x16, Crypto and Secure Boot, Tall Bracket	TBD	NA	NA
MCX623109AN-CD AT	ConnectX-6 Dx EN adapter card, 100GbE, Single-port DSFP, PCIe 4.0 x16, No Crypto, Tall Bracket	TBD	NA	NA
MCX623405AN-CD AN	ConnectX-6 Dx EN adapter card, 100GbE OCP2.0, With Host management, Type 2, Single-port QSFP56, PCIe 4.0 x16, No Crypto, No Bracket	fw-ConnectX6Dx-re l-22_32_1010	MCX623405AC-CDA N	ConnectX-6 Dx EN adapter card, 100GbE OCP2.0, With Host management, Type 2, Single-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, No Bracket
MCX623432AE-ADA B	ConnectX-6 Dx EN adapter card, 25GbE OCP3.0, With Host management,	fw-ConnectX6Dx-re l-22_31_1014	MCX623432AC-ADA B	ConnectX-6 Dx EN adapter card, 25GbE OCP3.0, With Host management, Dual-port SFP28, PCIe 4.0 x16, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket

	Dual-port SFP28, PCIe 4.0 x16, Crypto, No Secure Boot, Thumbscrew (Pull Tab) Bracket			
MCX623432AS-GDA I	ConnectX-6 Dx EN adapter card, 50GbE OCP3.0, With Host management , Dual-port SFP56, PCIe 4.0 x16, Secure Boot, No Crypto, Internal Lock Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623432AC-GD AB	ConnectX-6 Dx EN adapter card, 50GbE OCP3.0, With Host management , Dual-port SFP56, PCIe 4.0 x16, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket
MCX623435AE-CDA B	ConnectX-6 Dx EN adapter card, 100GbE, OCP3.0, With Host management , Single-port QSFP56, PCIe 4.0 x16, Crypto, No Secure Boot, Thumbscrew (Pull Tab) Bracket	fw-ConnectX6Dx-re I-22_32_1010	MCX623435AC-CDA B	ConnectX-6 Dx EN adapter card, 100GbE, OCP3.0, With Host management , Single-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket
MCX623435AS-VDA I	ConnectX-6 Dx EN adapter card, 200GbE, OCP3.0, With Host management , Single-port QSFP56, PCIe 4.0 x16, Secure Boot, No Crypto, Internal Lock Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623435AC-VDA B	ConnectX-6 Dx EN adapter card, 200GbE, OCP3.0, With Host management , Single-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket
MCX623436AE-CDA B	ConnectX-6 Dx EN adapter card, 100GbE, OCP3.0, With Host management , Dual-port QSFP56, PCIe 4.0 x16, Crypto, No Secure Boot, Thumbscrew (Pull Tab) Bracket	fw-ConnectX6Dx-re I-22_31_1014	MCX623436AC-CDA B	ConnectX-6 Dx EN adapter card, 100GbE, OCP3.0, With Host management , Dual-port QSFP56, PCIe 4.0 x16, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket
MCX623436AS-CDA I	ConnectX-6 Dx EN adapter card, 100GbE OCP3.0, With Host management , Dual-port QSFP56, PCIe 4.0 x16,	fw-ConnectX6Dx-re I-22_31_1014	MCX623436AN-CD AB	ConnectX-6 Dx EN adapter card, 100GbE, OCP3.0, With Host management , Dual-port QSFP56, PCIe 4.0 x16, No Crypto, Thumbscrew (Pull Tab) Bracket

	Secure Boot, No Crypto, Internal Lock Bracket			
MCX623439MC-CD AB	ConnectX-6 Dx EN adapter card, 100GbE OCP3.0, With Host management, Single-port DSFP, Multi Host or Socket Direct, PCIe 4.0 x16, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket	fw-ConnectX6Dx-rel-22_32_1010	MCX623430MS-CD AB	ConnectX-6 Dx EN adapter card, 100GbE OCP3.0, With Host management , Dual-port DSFP, Multi Host or Socket Direct, PCIe 4.0 x16, Secure Boot, No Crypto, Thumbscrew (Pull Tab) Bracket
MCX631102AE-ADAT	ConnectX-6 Lx EN adapter card, 25GbE, Dual-port SFP28, PCIe 4.0 x8, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Lx-rel-26_31_1014	MCX631102AC-ADAT	ConnectX-6 Lx EN adapter card, 25GbE, Dual-port SFP28, PCIe 4.0 x8, Crypto and Secure Boot, Tall Bracket
MCX631105AE-GDAT	ConnectX-6 Lx EN adapter card, 50GbE, Single-port QSFP28, PCIe 4.0 x8, Crypto, No Secure Boot, Tall Bracket	fw-ConnectX6Lx-rel-26_31_1014	MCX631105AC-GDAT	ConnectX-6 Lx EN adapter card, 50GbE, Single-port QSFP28, PCIe 4.0 x8, Crypto and Secure Boot, Tall Bracket
MCX631432AE-ADAB	ConnectX-6 Lx EN adapter card, 25GbE OCP3.0, With Host management , Dual-port SFP28, PCIe 4.0 x8, Crypto, No Secure Boot, Thumbscrew (Pull Tab) Bracket	fw-ConnectX6Lx-rel-26_32_1010	MCX631432AC-ADAB	ConnectX-6 Lx EN adapter card, 25GbE OCP3.0, With Host management , Dual-port SFP28, PCIe 4.0 x8, Crypto and Secure Boot, Thumbscrew (Pull Tab) Bracket
MCX631432AS-ADAIL	ConnectX-6 Lx EN adapter card, 25GbE OCP3.0, With Host management , Dual-port SFP28, PCIe 4.0 x8, Secure Boot, No Crypto, Internal Lock Bracket	fw-ConnectX6Lx-rel-26_31_1014	MCX631432AN-ADAB	ConnectX-6 Lx EN adapter card, 25GbE OCP3.0, With Host management , Dual-port SFP28, PCIe 4.0 x8, No Crypto, Thumbscrew (Pull Tab) Bracket
MCX631435AE-GDAB	ConnectX-6 Lx EN adapter card, 50GbE, OCP3.0,	fw-ConnectX6Lx-rel-26_32_1010	MCX631435AC-GD	ConnectX-6 Lx EN adapter card, 50GbE, OCP3.0, With Host management , Single-port QSFP28, PCIe 4.0 x8, Crypto

	With Host management , Single-port QSFP28, PCIe 4.0 x8, Crypto, No Secure Boot, Thumbscrew (Pull Tab) Bracket		AB	and Secure Boot, Thumbscrew (Pull Tab) Bracket
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Reason for Termination

Low market interest.

Milestones

Table 2 lists the end-of-life milestones: last time buy date and last time ship date.

Table 2: End of Life Milestones

Milestone	Definition	Date
Last Time Buy (LTB)* Date	The last date to order the product through an NVIDIA point-of-sale mechanism. The product is no longer for sale after this date.	Apr 30, 2022
Last Ship Date	The last possible ship date that can be requested of NVIDIA and/or its distributors. Actual ship date is dependent on lead time.	Oct 31, 2022

For more information, please contact your local account representative.

Regards,

NVIDIA Networking

*Manufacture Discontinue and Last Time Buy Definition - As part of NVIDIA's EOL notification program, this notice serves as a formal communication of NVIDIA's intent to perform a Manufacture Discontinue (MD) of the products listed above and propose a Last Time Buy (LTB) date for each product. For the time between LTB, MD and EOL, emergency recovery and/or upgrades may be performed in accordance with customer-specific service plans or upgrade agreements, as negotiated prior to LTB.