



Component Compatibility Guide

Storage and network adapters compatible with Oracle Linux
featuring Unbreakable Enterprise Kernel

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STORAGE AND NETWORK ADAPTER SUPPORT IN UEK

Oracle Linux and Oracle Linux KVM support common storage and networking adapters used in large enterprises and data centers. Oracle Linux featuring Unbreakable Enterprise Kernel (UEK) supports in-distribution device drivers, commonly known as inbox drivers. Driver packages available from other sources may be available for Oracle Linux; support for these packages is provided by the distributors of those packages.

Oracle and device manufactures jointly support the devices herein. This is not a comprehensive list of all supported adapters. At the discretion of Oracle Support, Oracle may provide customer assistance with adapters not listed in this document. However, Oracle cannot guarantee issue resolution for adapters not tested and supported by Oracle and the adapter manufacturer/reseller.

Storage and networking adapters purchased from your system provider, often as components configured in a system purchase, are outside the scope of this document. For information about operating system compatibility of devices branded and marketed by your system provider, consult with that system provider. Oracle and the system providers support adapters qualified by the system providers.

This document includes information for Oracle Linux with UEK 7 and later. The minimum UEK version indicates the earliest supported version for the major UEK release specified. Support also applies to subsequent updates and errata to the minimum required UEK versions. Adapter firmware is outside the scope of this document and supported in accordance with the manufacturer and resellers recommendation.

Customers deploying Oracle Database and Oracle Real Application Clusters (RAC) on any Linux distribution, including Oracle Linux, are urged to review [My Oracle Support \(MOS\)](#) for information about the networking protocols supported by Oracle Database.

The use of any RDMA protocol (including InfiniBand and RoCE) to attach storage to an Oracle engineered system is not supported. For environments *other* than Oracle engineered systems, the use of SRP in Oracle Database and RAC environments and the use of RoCE as a transport for NVMe over RoCE in Oracle Database and RAC environments is supported; this support is (a) available only on specific devices, and (b) available for Oracle Linux with UEK 7 and later.

Always refer to [MOS](#) content for any known issues related to an adapter.

The information in this document is subject to change without notice, and Oracle shall not be liable for technical or editorial errors or omissions. Nothing herein should be construed as constituting any warranty.

Resources

- Oracle Linux
oracle.com/linux
- Virtualization
oracle.com/virtualization
- Hardware Compatibility (HCL)
linux.oracle.com/hardware-certifications
- ISV Catalog
oracle.com/linux/isvcatalog

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UEK Version Key and Supported Network Speed

Major Version	Update/Errata Version Key	Applicable Release(s)
UEK 8	6.12.0-x.y.z where x.y.z represents updates and errata to UEK R7	Oracle Linux 10, Oracle Linux 9
UEK 7	5.15.0-x.y.z where x.y.z represents updates and errata to UEK R7	Oracle Linux 9, Oracle Linux 8

UEK Release 8

Section 1: Storage

Vendor	Adapter	Min UEK Release
Broadcom	Emulex® LightPulse® LPe31000/32000 Fibre Channel Adapter (Gen6) Model(s) LPe31000-M6, LPe31002-M6, LPe31004-M6 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	6.12.0-0
Broadcom	Emulex® LightPulse® LPe31000/32000 Fibre Channel Adapter (Gen6) Model(s) LPe32000-M2, LPe32002-M2, LPe32004-M2 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	6.12.0-0
Broadcom	Emulex® LightPulse® LPe35000/36000 Fibre Channel Adapter (Gen7) Model(s) LPe35000-M2, LPe35002-M2 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	6.12.0-0
Broadcom	Emulex® LightPulse® LPe35000/36000 Fibre Channel Adapter (Gen7) Model(s) LPe35004-M2 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	6.12.0-0
Broadcom	Emulex® LightPulse® LPe35000/36000 Fibre Channel Adapter (Gen7) Model(s) LPe36000-M64, LPe36002-M64 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	6.12.0-0
Broadcom	Emulex® LightPulse® LPe37000/38000 Fibre Channel Adapter (Gen7) Model(s) LPe37100, LPe37102 SecureHBA 32GFC (NVMe-FC) Note: Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	6.12.0-0
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-CQDA1, E810-CQDA2, E810-CQDA2T (100GbE) (iSCSI)	6.12.0-0
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA2 (25GbE) (iSCSI)	6.12.0-0
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA4, E810-XXVDA4T (25GbE) (iSCSI)	6.12.0-0
Intel	Intel® Ethernet Adapter I350 Family Model(s) I350-T2, I350-T4 (iSCSI)	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X520-DA2 (FCoE) Note: Excludes OCP adapters.	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X520-DA2 (iSCSI) Note: Excludes OCP adapters.	6.12.0-0

Intel	Intel® Network Adapter 500 Series Model(s) X540-T1, X540-T2 (FCoE)	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X540-T1, X540-T2 (iSCSI)	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X550-T1, X550-T2 (FCoE)	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X550-T1, X550-T2 (iSCSI)	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) I710-T4L (iSCSI)	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) X710-DA2, X710-DA4, X710-T2L, X710-T4L, X710-T4 (iSCSI)	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) XXV710-DA1, XXV710-DA2 (iSCSI) Note: Intel EOL in 2024 for XXV710DA2.	6.12.0-0
Marvell	QLogic® 2600 Series 16G Fibre Channel Adapter Model(s) QLE2690, QLE2692 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	6.12.0-0
Marvell	QLogic® 2600 Series 16G Fibre Channel Adapter Model(s) QLE2694, QLE2694L (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	6.12.0-0
Marvell	QLogic® 2740/2760 Series 16/32G Fibre Channel Adapter Model(s) QLE2740, QLE2742 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min). Oracle-branded versions of this adapter firmware may not support NVMe...check hardware features support with MOS.	6.12.0-0
Marvell	QLogic® 2740/2760 Series 16/32G Fibre Channel Adapter Model(s) QLE2764 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min). Oracle-branded versions of this adapter firmware may not support NVMe...check hardware features support with MOS.	6.12.0-0
Marvell	QLogic® 2770 Series 32G Gen4 Fibre Channel Adapter Model(s) QLE2770, QLE2772 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	6.12.0-0
Marvell	QLogic® 2770 Series 32G Gen4 Fibre Channel Adapter Model(s) QLE2774 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	6.12.0-0
Marvell	QLogic® 2800 Series 32/64G Gen4 Fibre Channel Adapter Model(s) QLE2870, QLE2872 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	6.12.0-0

Marvell	QLogic® 2800 Series 32/64G Gen4 Fibre Channel Adapter Model(s) QLE2874 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	6.12.0-0
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Section 2: Ethernet Networking

Vendor	Adapter	Min UEK Release
Broadcom	NetXtreme® BCM57xx 1GbE PCIe Gen 2.1 Adapter Model(s) BCM5719 1Gb NIC Note: No RoCE support.	6.12.0-0
Broadcom	NetXtreme® BCM57xx 1GbE PCIe Gen 2.1 Adapter Model(s) BCM5720 1Gb NIC Note: No RoCE support.	6.12.0-0
Broadcom	NetXtreme® E-Series 10/25/40/50/100GbE Adapter Model(s) BCM957508 (N1100G, N1200G) Note: No support for RDMA.	6.12.0-101
Broadcom	NetXtreme® E-Series 10/25GbE Adapter Model(s) BCM957414 1-port 50Gb (P150P) Note: No support for RDMA.	6.12.0-101
Broadcom	NetXtreme® E-Series 10/25GbE Adapter Model(s) BCM957414 2-port 10/25Gb (P225P, N225P) Note: No support for RDMA.	6.12.0-101
Broadcom	NetXtreme® E-Series 10/25GbE Adapter Model(s) BCM957504 (N425G, P425G) Note: No support for RDMA.	6.12.0-101
Broadcom	NetXtreme® E-Series 10Gb Ethernet Adapter Model(s) BCM957454 4x10G PCIe, 4x10G OCP	6.12.0-101
Broadcom	NetXtreme® E-Series 10GbE Dual-Port PCIe Adapter Model(s) BCM957412 (P210P, N210P) Note: No support for RDMA functions.	6.12.0-101
Broadcom	NetXtreme® E-Series 10GbE Dual-Port PCIe Adapter Model(s) BCM957416 (P210TP, N210TP) Note: No support for RDMA functions.	6.12.0-101
Broadcom	NetXtreme® E-Series 200GbE PCIe Gen 4.0 Adapter Model(s) BCM957508 (N2100G, P2100G, P1200G) Note: No support for RDMA.	6.12.0-0
Broadcom	NetXtreme® E-Series 200GbE PCIe Gen 4.0 Adapter Model(s) BCM957508 (N2100G, P2100G, P1200G) Note: No support for RDMA.	6.12.0-101
Broadcom	NetXtreme® E-Series 400GbE PCIe Gen 4.0 Adapter Model(s) BCM957608 (N1400GD, P1400GD, N2200G, P2200G) Note: No support for RDMA at this time.	6.12.0-101
Intel	Intel® Ethernet Adapter E610 Family Model(s) E560-IT (2.5 BASE-T)	6.12.0-101
Intel	Intel® Ethernet Adapter E610 Family Model(s) E610-XT (10 BASE-T)	6.12.0-101
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-2CQDA2 (100G PCIe 4.0 x16)	6.12.0-0
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-CQDA1, E810-CQDA2, E810-CQDA2T (100GbE)	6.12.0-0

Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA2 (25GbE)	6.12.0-0
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA4, E810-XXVDA4T (25GbE)	6.12.0-0
Intel	Intel® Ethernet Adapter E830 Family Model(s) E830-CQDA2, E830-XXVDA2	6.12.0-100
Intel	Intel® Ethernet Adapter I350 Family Model(s) I350-T2, I350-T4	6.12.0-0
Intel	Intel® Network Adapter 200 Series Model(s) I220-V, I221-V, I225-L, I225-IT, I225-LM, I225-V, I226-IT, I226-LM, I226-V Note: Intel EOL in 2024 for I225-T1.	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X520-DA2, X520-2, X520-1	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X540-T1, X540-T2	6.12.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X550-T1, X550-T2	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) I710-T4L	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) X710-DA2, X710-DA4	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) X710-T2L, X710-T4L, X710-TL	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) X710-T4 Note: Intel EOL in 2024 for X710-T4.	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) XL710-QDA1, XL710-QDA2 Note: Intel EOL in 2024 for XL710-QDA2.	6.12.0-0
Intel	Intel® Network Adapter 700 Series Model(s) XXV710-DA1, XXV710-DA2 Note: Intel EOL in 2024 for XXV710DA2.	6.12.0-0
Marvell	Marvell® FastLinQ 45000 Series Ethernet Adapters Model(s) QL45211, QL45212 (1/10/25GbE) Note: Ethernet only, no RDMA, FCoE, or iSCSI support. No support for HPE Synergy.	6.12.0-0
Marvell	Marvell® FastLinQ 45000 Series Ethernet Adapters Model(s) QL45411, QL45412, QL45462 (10/40GbE) Note: Ethernet only, no RDMA, FCoE, or iSCSI support.	6.12.0-0
Marvell	Marvell® FastLinQ 45000 Series Ethernet Adapters Model(s) QL45611, QL45631 (10/25/100GbE) Note: Ethernet only, no RDMA, FCoE, or iSCSI support.	6.12.0-0
Nvidia	ConnectX®-5 Ex EN Model(s) MCX516A-CDAT, MCX512A-ADAT, MCX546A, MCX565M, MCX566A Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0

Nvidia	ConnectX®-5 Ex VPI FDR/EDR Model(s) MCX556A-ED Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-5 Model(s) MCX511F, MCX512A, MCX512F, MCX515A, MCX516A , MCX542A, MCX542B, MCX545A, MCX562A, MCX566A-CCAI Note: No RDMA support.	6.12.0-0
Nvidia	ConnectX®-5 VPI FDR/EDR Model(s) MCX555A-ECAT, MCX556A-EC Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-6 , ConnectX®-6 EN Model(s) MCX613106A-VD , MCX613436A-VD, MCX614105A-VC, MCX614106A-VC Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-6 , ConnectX®-6 EN Model(s) MCX614106A-CC Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-6 Dx Model(s) MT2892 Famiy Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-6 LX Model(s) MCX623106A*-CD* Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-6 LX Model(s) MCX631102A*-AD*, CX631105A*-GD*, MCX631432A*-AD*, MCX631435A*-GD* Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0
Nvidia	ConnectX®-7 Model(s) MCX755*, MCX753* Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	6.12.0-0

Section 3: SAS/RAID

Vendor	Adapter	Min UEK Release
Broadcom	MegaRAID® 9400 Series RAID Adapters Model(s) 9440-8i, 9460-8i, 9480-8i8e, 9460-16i	6.12.0-2
Broadcom	MegaRAID® 9500 Series Tri-Mode RAID Adapters Model(s) 9560-16i, 9560-8i, 9580-8i8e	6.12.0-2
Broadcom	MegaRAID® 9600 Series RAID Adapters Model(s) 9620-16i, 9660-16i, 9670-24i, 9670-16i	6.12.0-2
Broadcom	MegaRAID® 9700 Series RAID Adapters Model(s) 9760W-32i, 9760W-16i, 9760W-16i16e	6.12.0-2
Broadcom	SAS 9300 Series Host Bust Adapter (HBA) Family Model(s) 9300-4i, 9300-4i4e, 9300-8e, 9300-8i, 9305-16, 9305-16i, 9305-24i	6.12.0-2
Broadcom	SAS 9400 Series Host Bust Adapter (HBA) Family Model(s) 9400-16e, 9400-16i, 9400-8e, 9400-8i, 9400-8i8e, 9405W-16e, 9405W-16i	6.12.0-2
Broadcom	SAS 9500 Series Tri-Mode Storage Adapter (HBA) Family Model(s) 9500-16e, 9500-16i, 9500-8e, 9500-8i	6.12.0-2
Broadcom	SAS 9600 Series Host Bus Adapters Model(s) 9600-24i, 9600-16i, 9600-16e, 9600W-16e	6.12.0-2

Microchip	Adaptec® HBA 1100 12Gbps Host Bus Adapters Model(s) HBA 1100-16e, 1100-16i, 1100-24i, 1100-4i, 1100-8e, 1100-8i, 1100-8i8e	6.12.0-0
Microchip	Adaptec® HBA 1200 24Gbps Host Bus Adapters Model(s) 1200U-32i, 1200U-16i, 1200U-16e, 1200-16i, 1200-16e, 1200-8i, 1200-8e	6.12.0-0
Microchip	Adaptec® SmartHBA 2100 12Gbps Host Bus Adapters Model(s) 2100-4i4e, 2100-24i, 2100-8i, 2100-8i8e, 2100-8e, 2100-4i	6.12.0-0
Microchip	Adaptec® SmartHBA 2200 24Gbps Host Bus Adapters Model(s) 2200-16	6.12.0-0
Microchip	Adaptec® SmartRAID 3100 12Gbps RAID Adapters Model(s) SmartRAID 3101-4i, 3102-8i, 3151-4i, 3152-8i, 3154-8e, 3154-8i, 3154-8i16e, 3154-16i, 3154-8i8e, 3154-24i, 3162-8i, 3162-8e	6.12.0-0
Microchip	Adaptec® SmartRAID 3200 24Gbps RAID Adapters Model(s) 3258Up-32i /e, 3258Up-16i /e, 3254U-16e /e, 3258-16i /e, 3254-16i /e, 3254-16e /e, 3254-8i /e, 3204-8i /e, 3252-8i /e	6.12.0-0

Section 1: Storage

Vendor	Adapter	Min UEK Release
Broadcom	Emulex® LightPulse® LPe12000 8Gb Fibre Channel Adapter Model(s) LPe12000, LPe12002, LPe12004, LPe1250 Note: Deprecated. No support with Oracle Linux 9 or later.	5.15.0-0
Broadcom	Emulex® LightPulse® LPe15000/LPe16000 Fibre Channel Adapter (Gen5) Model(s) LPe15000, LPe16002, LPe16000B, LPe16002B, LPe16004 (FCoE) Note: Deprecated. No support with Oracle Linux 9 or later.	5.15.0-0
Broadcom	Emulex® LightPulse® LPe31000/32000 Fibre Channel Adapter (Gen6) Model(s) LPe31000-M6, LPe31002-M6, LPe31004-M6 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	5.15.0-0
Broadcom	Emulex® LightPulse® LPe31000/32000 Fibre Channel Adapter (Gen6) Model(s) LPe32000-M2, LPe32002-M2, LPe32004-M2 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	5.15.0-0
Broadcom	Emulex® LightPulse® LPe35000/36000 Fibre Channel Adapter (Gen7) Model(s) LPe35000-M2, LPe35002-M2 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	5.15.0-100
Broadcom	Emulex® LightPulse® LPe35000/36000 Fibre Channel Adapter (Gen7) Model(s) LPe35004-M2 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	5.15.0-100
Broadcom	Emulex® LightPulse® LPe35000/36000 Fibre Channel Adapter (Gen7) Model(s) LPe36000-M64, LPe36002-M64 (NVMe-FC) Note: Supports NVMe-FC beginning in OL8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	5.15.0-100
Broadcom	Emulex® LightPulse® LPe37000/38000 Fibre Channel Adapter (Gen7) Model(s) LPe37100, LPe37102 SecureHBA 32GFC (NVMe-FC) Note: Support for Install/Boot from SAN over NVMe-FC begins in OL9 with UEK7 (min).	5.15.0-300
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-CQDA1, E810-CQDA2, E810-CQDA2T (100GbE) (iSCSI)	5.15.0-100
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA2 (25GbE) (iSCSI)	5.15.0-100
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA4, E810-XXVDA4T (25GbE) (iSCSI)	5.15.0-200
Intel	Intel® Ethernet Adapter I350 Family Model(s) I350-T2, I350-T4 (iSCSI)	5.15.0-0

Intel	Intel® Network Adapter 500 Series Model(s) X520-DA2 (FCoE) Note: Excludes OCP adapters.	5.15.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X520-DA2 (iSCSI) Note: Excludes OCP adapters.	5.15.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X540-T1, X540-T2 (FCoE)	5.15.0-200
Intel	Intel® Network Adapter 500 Series Model(s) X540-T1, X540-T2 (iSCSI)	5.15.0-200
Intel	Intel® Network Adapter 500 Series Model(s) X550-T1, X550-T2 (FCoE)	5.15.0-200
Intel	Intel® Network Adapter 500 Series Model(s) X550-T1, X550-T2 (iSCSI)	5.15.0-200
Intel	Intel® Network Adapter 700 Series Model(s) I710-T4L (iSCSI)	5.15.0-200
Intel	Intel® Network Adapter 700 Series Model(s) X710-DA2, X710-DA4, X710-T2L, X710-T4L, X710-T4 (iSCSI)	5.15.0-0
Intel	Intel® Network Adapter 700 Series Model(s) XXV710-DA1, XXV710-DA2 (iSCSI) Note: Intel EOL in 2024 for XXV710DA2.	5.15.0-0
Marvell	QLogic® 2500 Series 8G Fibre Channel Adapter Model(s) QLE2560, QLE2562, QLE2564 Note: Deprecated, not supported in Oracle Linux 9 and later. Recommend 5.15.0-100 or later with Oracle Linux 8.	5.15.0-0
Marvell	QLogic® 2600 Series 16G Fibre Channel Adapter Model(s) QLE2670, QLE2672 Note: Deprecated, not supported in Oracle Linux 9 and later. Recommend 5.15.0-100 or later with Oracle Linux 8.	5.15.0-0
Marvell	QLogic® 2600 Series 16G Fibre Channel Adapter Model(s) QLE2690, QLE2692 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	5.15.0-100
Marvell	QLogic® 2600 Series 16G Fibre Channel Adapter Model(s) QLE2694, QLE2694L (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	5.15.0-100
Marvell	QLogic® 2740/2760 Series 16/32G Fibre Channel Adapter Model(s) QLE2740, QLE2742 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min). Oracle-branded versions of this adapter firmware may not support NVMe...check hardware features support with MOS.	5.15.0-100
Marvell	QLogic® 2740/2760 Series 16/32G Fibre Channel Adapter Model(s) QLE2764 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min). Oracle-branded versions of this adapter firmware may not support NVMe...check hardware features support with MOS.	5.15.0-100

Marvell	QLogic® 2770 Series 32G Gen4 Fibre Channel Adapter Model(s) QLE2770, QLE2772 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min). Oracle-branded versions of this adapter firmware may not support NVMe...check hardware features support with MOS.	5.15.0-100
Marvell	QLogic® 2770 Series 32G Gen4 Fibre Channel Adapter Model(s) QLE2774 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	5.15.0-100
Marvell	QLogic® 2800 Series 32/64G Gen4 Fibre Channel Adapter Model(s) QLE2870, QLE2872 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	5.15.0-100
Marvell	QLogic® 2800 Series 32/64G Gen4 Fibre Channel Adapter Model(s) QLE2874 (NVMe-FC) Note: Supports NVMe-FC beginning in Oracle Linux 8 with UEK6 (min). Support for Install/Boot from SAN over NVMe-FC begins in Oracle Linux 9 with UEK7 (min).	5.15.0-100

Section 2: Ethernet Networking

Vendor	Adapter	Min UEK Release
Broadcom	Emulex® OneConnect OCe14000 10/40GbE Ethernet Network Adapters Model(s) OCe14101-NX, OCe14101-NM, OCe14102-NX, OCe14102-NM, OCe14104-NX, OCe14104-NM, OCe14401-NX Note: No RDMA support. FCoE support deprecated, not supported in Oracle Linux 9 and later.	5.15.0-0
Broadcom	NetXtreme® BCM57xx 1GbE PCIe Gen 2.1 Adapter Model(s) BCM5719 1Gb NIC Note: No RoCE support.	5.15.0-101
Broadcom	NetXtreme® BCM57xx 1GbE PCIe Gen 2.1 Adapter Model(s) BCM5720 1Gb NIC Note: No RoCE support.	5.15.0-6
Broadcom	NetXtreme® E-Series 10/25/40/50/100GbE Adapter Model(s) BCM957508 (N1100G, N1200G) Note: No support for RDMA.	5.15.0-300
Broadcom	NetXtreme® E-Series 10/25GbE Adapter Model(s) BCM957414 1-port 50Gb (P150P) Note: No support for RDMA.	5.15.0-300
Broadcom	NetXtreme® E-Series 10/25GbE Adapter Model(s) BCM957414 2-port 10/25Gb (P225P, N225P) Note: No support for RDMA.	5.15.0-0
Broadcom	NetXtreme® E-Series 10/25GbE Adapter Model(s) BCM957504 (N425G, P425G) Note: No support for RDMA.	5.15.0-0
Broadcom	NetXtreme® E-Series 10Gb Ethernet Adapter Model(s) BCM957454 4x10G PCIe, 4x10G OCP	5.15.0-6
Broadcom	NetXtreme® E-Series 10GbE Dual-Port PCIe Adapter Model(s) BCM957412 (P210P, N210P) Note: No support for RDMA functions.	5.15.0-0
Broadcom	NetXtreme® E-Series 10GbE Dual-Port PCIe Adapter Model(s) BCM957416 (P210TP, N210TP) Note: No support for RDMA functions.	5.15.0-0

Broadcom	NetXtreme® E-Series 200GbE PCIe Gen 4.0 Adapter Model(s) BCM957508 (N2100G, P2100G, P1200G) Note: No support for RDMA.	5.15.0-0
Broadcom	NetXtreme® E-Series 400GbE PCIe Gen 4.0 Adapter Model(s) BCM957608 (N1400GD, P1400GD, N2200G, P2200G) Note: No support for RDMA at this time.	5.15.0-306
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-2CQDA2 (100G PCIe 4.0 x16) Note: RoCE is not supported with Oracle Database. No support iWARP, no support for SyncE.	5.15.0-200
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-CQDA1, E810-CQDA2, E810-CQDA2T (100GbE) Note: Support for RoCE in Oracle Linux 9 and later. RoCE is not supported with Oracle Database. No support iWARP.	5.15.0-100
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA2 (25GbE) Note: Support for RoCE in Oracle Linux 9 and later. RoCE is not supported with Oracle Database. No support for iWARP.	5.15.0-100
Intel	Intel® Ethernet Adapter E810 Family Model(s) E810-XXVDA4, E810-XXVDA4T (25GbE) Note: Support for RoCE in Oracle Linux 9. RoCE is not supported with Oracle Database. No support for iWARP.	5.15.0-100
Intel	Intel® Ethernet Adapter I350 Family Model(s) I350-T2, I350-T4	5.15.0-0
Intel	Intel® Network Adapter 200 Series Model(s) I220-V, I221-V, I225-I, I225-IT, I225-LM, I225-V, I226-IT, I226-LM, I226-V Note: Intel EOL in 2024 for I225-T1.	5.15.0-203
Intel	Intel® Network Adapter 500 Series Model(s) X520-DA2, X520-2, X520-1	5.15.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X540-T1, X540-T2	5.15.0-0
Intel	Intel® Network Adapter 500 Series Model(s) X550-T1, X550-T2	5.15.0-0
Intel	Intel® Network Adapter 700 Series Model(s) I710-T4L	5.15.0-200
Intel	Intel® Network Adapter 700 Series Model(s) X710-DA2, X710-DA4	5.15.0-0
Intel	Intel® Network Adapter 700 Series Model(s) X710-T2L, X710-T4L, X710-TL	5.15.0-0
Intel	Intel® Network Adapter 700 Series Model(s) X710-T4 Note: Intel EOL in 2024 for X710-T4.	5.15.0-0
Intel	Intel® Network Adapter 700 Series Model(s) XL710-QDA1, XL710-QDA2 Note: Intel EOL in 2024 for XL710-QDA2.	5.15.0-0
Intel	Intel® Network Adapter 700 Series Model(s) XXV710-DA1, XXV710-DA2	5.15.0-0

Marvell	Marvell® FastLinQ 41000 Series Multiport Ethernet Adapters Model(s) QL41112, QL41132, QL41134, QL41162 (10GbE PCIe and OCP 3.0) Note: Ethernet only, no RDMA, FCoE, or iSCSI support. No support for HPE Synergy. Marvell EOL, no support with Oracle Linux 9 and later.	5.15.0-0
Marvell	Marvell® FastLinQ 41000 Series Multiport Ethernet Adapters Model(s) QL41212, QL41231, QL41232, QL41234, QL41254, QL41262 (10/25GbE PCIe) Note: Ethernet only, no RDMA, FCoE, or iSCSI support. No support for HPE Synergy. Marvell EOL, no support in Oracle Linux 9 or later.	5.15.0-0
Marvell	Marvell® FastLinQ 45000 Series Ethernet Adapters Model(s) QL45211, QL45212 (1/10/25GbE) Note: Ethernet only, no RDMA, FCoE, or iSCSI support. No support for HPE Synergy.	5.15.0-0
Marvell	Marvell® FastLinQ 45000 Series Ethernet Adapters Model(s) QL45411, QL45412, QL45462 (10/40GbE) Note: Ethernet only, no RDMA, FCoE, or iSCSI support. No support for HPE Synergy.	5.15.0-0
Marvell	Marvell® FastLinQ 45000 Series Ethernet Adapters Model(s) QL45611, QL45631 (10/25/100GbE) Note: Ethernet only, no RDMA, FCoE, or iSCSI support. No support for HPE Synergy.	5.15.0-0
Nvidia	ConnectX®-4 EN Model(s) MCX415A, MCX416A, MCX413A, MCX414A Note: No RDMA support.	5.15.0-0
Nvidia	ConnectX®-4 Lx EN Model(s) MCX4111A, MCX4121A, MCX4131A Note: No RDMA support.	5.15.0-0
Nvidia	ConnectX®-5 Ex EN Model(s) MCX516A-CDAT, MCX512A-ADAT, MCX546A, MCX565M, MCX566A Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-0
Nvidia	ConnectX®-5 Ex VPI FDR/EDR Model(s) MCX556A-ED Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-0
Nvidia	ConnectX®-5 Model(s) MCX511F, MCX512A, MCX512F, MCX515A, MCX516A, MCX542A, MCX542B, MCX545A, MCX562A, MCX566A-CCAI Note: No RDMA support.	5.15.0-0
Nvidia	ConnectX®-5 VPI FDR/EDR Model(s) MCX555A-ECAT, MCX556A-EC Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-0
Nvidia	ConnectX®-6, ConnectX®-6 EN Model(s) MCX613106A-VD, MCX613436A-VD, MCX614105A-VC, MCX614106A-VC Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-0
Nvidia	ConnectX®-6, ConnectX®-6 EN Model(s) MCX614106A-CC Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-0
Nvidia	ConnectX®-6 Dx Model(s) MT2892 Famiy Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-100
Nvidia	ConnectX®-6 LX Model(s) MCX623106A*-CD* Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-6
Nvidia	ConnectX®-6 LX Model(s) MCX631102A*-AD*, CX631105A*-GD*, MCX631432A*-AD*, MCX631435A*-GD* Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-6
Nvidia	ConnectX®-7 Model(s) MCX755*, MCX753* Note: No support for InfiniBand. Support for RoCEv2 is present, but not supported by Oracle Database.	5.15.0-300

Section 3: SAS/RAID

Vendor	Adapter	Min UEK Release
Broadcom	MegaRAID® 9300 Series RAID Adapters [EOL] Model(s) 9341-16i, 9341-24i Note: Deprecated in Oracle Linux 8. No support in Oracle Linux 9 or later.	5.15.0-0
Broadcom	MegaRAID® 9300 Series RAID Adapters [EOL] Model(s) 9341-4i, 9361-8i, 9361-16i, 9364-8i, 9361-24i, 9380-4i4e, 9380-8e, 9380-8i8e Note: Supported for Oracle Linux 8. No support for Oracle Linux 9 or later.	5.15.0-0
Broadcom	MegaRAID® 9300 Series RAID Adapters [EOL] Model(s) 9361-8i8e, 9361-16i Note: Deprecated in Oracle Linux 8. No support with Oracle Linux 9 or later.	5.15.0-0
Broadcom	MegaRAID® 9400 Series RAID Adapters Model(s) 9440-8i, 9460-8i, 9480-8i8e, 9460-16i	5.15.0-0
Broadcom	MegaRAID® 9500 Series Tri-Mode RAID Adapters Model(s) 9560-16i, 9560-8i, 9580-8i8e	5.15.0-0
Broadcom	MegaRAID® 9600 Series RAID Adapters Model(s) 9620-16i, 9660-16i, 9670-24i, 9670-16i Note: Requires 5.15.0-100.x or later.	5.15.0-100
Broadcom	MegaRAID® 9700 Series RAID Adapters Model(s) 9760W-32i, 9760W-16i, 9760W-16i16e	5.15.0-300
Broadcom	SAS 9200 Series Host Bust Adapter (HBA) Family Model(s) 9201-16e, 9201-16i, 9206-16e, 9207-4i4e, 9207-8e, 9207-8i, 9208-8i, 9217-4i4e, 9217-8i Note: Deprecated. No support in Oracle Linux 9 and later.	5.15.0-0
Broadcom	SAS 9300 Series Host Bust Adapter (HBA) Family Model(s) 9300-4i, 9300-4i4e, 9300-8e, 9300-8i, 9305-16, 9305-16i, 9305-24i	5.15.0-0
Broadcom	SAS 9400 Series Host Bust Adapter (HBA) Family Model(s) 9400-16e, 9400-16i, 9400-8e, 9400-8i, 9400-8i8e, 9405W-16e, 9405W-16i	5.15.0-0
Broadcom	SAS 9500 Series Tri-Mode Storage Adapter (HBA) Family Model(s) 9500-16e, 9500-16i, 9500-8e, 9500-8i	5.15.0-0
Broadcom	SAS 9600 Series Host Bus Adapters Model(s) 9600-24i, 9600-16i, 9600-16e, 9600W-16e Note: Requires 5.15.0-100.x or later.	5.15.0-0
Microchip	Adaptec® HBA 1100 12Gbps Host Bus Adapters Model(s) HBA 1100-16e, 1100-16i, 1100-24i, 1100-4i, 1100-8e, 1100-8i, 1100-8i8e	5.15.0-0
Microchip	Adaptec® HBA 1200 24Gbps Host Bus Adapters Model(s) 1200U-32i, 1200U-16i, 1200U-16e, 1200-16i, 1200-16e, 1200-8i, 1200-8e	5.15.0-0
Microchip	Adaptec® SmartHBA 2100 12Gpbs Host Bus Adapters Model(s) 2100-4i4e, 2100-24i, 2100-8i, 2100-8i8e, 2100-8e, 2100-4i	5.15.0-0
Microchip	Adaptec® SmartHBA 2200 24Gbps Host Bus Adapters Model(s) 2200-16	5.15.0-0
Microchip	Adaptec® SmartRAID 3100 12Gbps RAID Adapters Model(s) SmartRAID 3101-4i, 3102-8i, 3151-4i, 3152-8i, 3154-8e, 3154-8i, 3154-8i16e, 3154-16i, 3154-8i8e, 3154-24i, 3162-8i, 3162-8e	5.15.0-0
Microchip	Adaptec® SmartRAID 3200 24Gbps RAID Adapters Model(s) 3258Up-32i /e, 3258Up-16i /e, 3254U-16e /e, 3258-16i /e, 3254-16i /e, 3254-16e /e, 3254-8i /e, 3204-8i /e, 3252-8i /e	5.15.0-300

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