

# Lifecycle Controller Operating System Driver Pack

Version 19.04.05 Reference Guide

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Overview

The *Lifecycle Controller OS Driver Pack Reference Guide* provides information about the operating systems (Windows and Linux) that are compatible with the driver pack for a specific 14th generation Dell PowerEdge server. The driver pack contains the drivers needed for OS deployment using Lifecycle Controller. For information on OS deployment, see the Lifecycle Controller User's Guide available at [dell.com/esmmanuals](https://www.dell.com/esmmanuals).

## PowerEdge C4140

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge C6420

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06

Operating System	Component	Device Name	Vendor Revision
SUSE Linux Enterprise Server 15 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge FC640

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge M640

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06

Operating System	Component	Device Name	Vendor Revision
SUSE Linux Enterprise Server 15 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge M640VRTX

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2012 R2 64-bit	SAS Non-RAID	H200 / Internal Tape Adapter / 6GBPS SAS HBA version 2.0.72.01	2.0.72.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge MX740C

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge MX840C

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R240

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel C240 Series Chipset Device Software(10.1.17801.8095	10.1.17809.8096
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048

<b>Operating System</b>	<b>Component</b>	<b>Device Name</b>	<b>Vendor Revision</b>
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R340

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel C240 Series Chipset Device Software(10.1.17801.8095	10.1.17809.8096
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter	1.2.0.1048

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2019 64-bit		BOSS-S1 Modular	
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R440

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06

Operating System	Component	Device Name	Vendor Revision
SUSE Linux Enterprise Server 15 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R540

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06

Operating System	Component	Device Name	Vendor Revision
SUSE Linux Enterprise Server 15 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R640

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R6415

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	AMD SP3 EPYC Series Chipset driver	17.20
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.0.4

<b>Operating System</b>	<b>Component</b>	<b>Device Name</b>	<b>Vendor Revision</b>
Windows Server 2012 R2 64-bit			
Windows Server 2012 R2 64-bit			

## PowerEdge R740

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R740XD2

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R740XD

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R7415

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	AMD SP3 EPYC Series Chipset driver	17.20
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.0.4

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit			

## PowerEdge R7425

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	AMD SP3 EPYC Series Chipset driver	17.20
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.0.4

<b>Operating System</b>	<b>Component</b>	<b>Device Name</b>	<b>Vendor Revision</b>
Windows Server 2012 R2 64-bit			
Windows Server 2012 R2 64-bit			

## PowerEdge R840

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R940

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge R940XA

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge T140

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel C240 Series Chipset Device Software(10.1.17801.8095	10.1.17809.8096
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048

Operating System	Component	Device Name	Vendor Revision
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge T340

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel C240 Series Chipset Device Software(10.1.17801.8095	10.1.17809.8096
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter	1.2.0.1048

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2019 64-bit		BOSS-S1 Modular	
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge T440

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4

## PowerEdge T640

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.17861.8101
Windows Server 2012 R2 64-bit	Express Flash PCIe SSD	SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD	2.2.8.1808
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.0.4
SUSE Linux Enterprise Server 15 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.40.17.70
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4.1	21.4.1
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION FOXCONN INVENTEC:NetXtreme Ethernet adapters, 21.4.1	21.40.2
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.10.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	Network	Intel NIC Family Version 18.8.0 Drivers	18.8.0
SUSE Linux Enterprise Server 15 64-bit	Network	Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install	18.8.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.50.14661.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4, and ConnectX-5 Ex Ethernet adapters	2.10.20286.0
Red Hat Enterprise Linux 7.6 64-bit SUSE Linux Enterprise Server 15 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	34.10.00.06
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64-bit Windows Drivers	34.10.00
SUSE Linux Enterprise Server 15 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	27.00.01.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2019 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 15 64-bit	SAS RAID	INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX	7.705.06.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit	SAS RAID	PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS RAID	PERC H740P/H840/H745P	7.705.13.00
Windows Server 2016 64-bit	SAS RAID	PERC H740P/H840/H745PMX	7.705.13.00
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H740P/H840/H745PMX Controllers	7.705.13.00
Red Hat Enterprise Linux 7.6 64-bit	System Utilities	RHEL 7.6 64 bit UPDATE	0
Red Hat Enterprise Linux 8.0 64-bit	System Utilities	RHEL 8.0 64 bit UPDATE	0
SUSE Linux Enterprise Server 15 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.4.0.4