



NexentaStorTM

Hardware Supported List

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Overview

Introduction

As a service to our customers, Nexenta performs detailed technical testing for both complete solutions as well as individual components used in complete solutions. This document lists and summarizes both the solution and the component information for convenient reference.

More Information

Should you need more information, please contact your Reseller, your Nexenta sales manager (sales@nexenta.com), or Nexenta support (support@nexenta.com).

Certified Solutions for NexentaStor 3.0 and above

Please refer to <http://www.nexenta.com/corp/supported-hardware/nexenta-certified-solutions> for the latest information.

Tested Components for NexentaStor 3.0 and above

The following tables provide summary information on solution components that have undergone complete certification testing and are approved for usage as part of a certified solution. Each component may have specific features (e.g. firmware revisions) that are subject to change by vendors at any time without warning. Therefore, while approved for use, components may be subject to compatibility issues and resulting failures.

10G Ethernet				
Vendor	Product Name	Model #	Bus Type	Learn More
Emulex	Emulex OneConnect OCe11102-F	OCe11102-FM/ FX	PCI-E	Link
Emulex	Emulex OneConnect OCe11102-N	OCe11102-FM/ NX	PCI-E	Link
Intel	10 Gigabit CX4 Dual Port Server Adapter	EXPX9502CX4	PCI-E	Link
Intel	X520-SR2 10G Dual Fiber NIC	X520	PCI-E	Link

Fibre Channel Adapters				
Vendor	Product Name	Model #	Bus Type	Learn More
Emulex	Emulex LightPulse LPe12000* * Available to limited partners only	LPe12000-M8	PCI-E	Link
Emulex	Emulex LightPulse LPe12002* * Available to limited partners only	LPe12002-M8	PCI-E	Link
Emulex	Emulex LightPulse LPe12004* * Available to limited partners only	LPe12004-M8	PCI-E	Link

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QLogic	QLE2560-CK 8Gbps single-port Fibre Channel-to-x4/x8 PCI Express adapter, multi-mode optic.	QLE2560-CK	PCI-E	Link
QLogic	QLE2460-CK 4Gbps single-port Fibre Channel-to-x4 PCI Express adapter, multi-mode optic.	QLE2460-CK	PCI-E	Link
QLogic	QLE2462-CK 4Gbps dual-port Fibre Channel-to-x4 PCI Express adapter, multi-mode optic.	QLE2462-CK	PCI-E	Link

JBODS

Vendor	Product Name	Model #	Hard Drives Included	Learn More
Coraid	Coraid SR431c	SR431c	No	Link
DataOn	DNS-1200 - 2U SAS to SAS/SATA JBOD System	DNS-1200	No	Link
DataOn	DNS-1400 - 4U SAS to SAS/SATA JBOD System	DNS-1400	No	Link
DataOn	DNS-1600	DNS-1600	No	Link
DataOn	DNS-1620 2U 24 x 2.5" 6G SAS/SATA	DNS-1620	No	Link
DataOn	DNS-1630 2U 12 x 3.5" 6G SAS/SATA	DNS-1630	No	Link
DataOn	DNS-1660 4U-60 bay 6G 3.5" SAS/SATA JBOD	DNS-1660	No	Link
Dell	Dell PowerVault MD1200	MD1200	No	Link
HP	StorageWorks MDS600	MDS600	No	Link
LSI	LSI 620J JBOD	620J	No	NA
LSI	LSI 630J JBOD	630J	No	NA

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LSI	LSI DE1600 JBOD	DE1600	No	NA
Quanta	HG1 JBOD	HG1	No	NA
Quanta	JB7 r1728	JB7	No	NA
Super Micro	SuperChassis 825TQ-R720LPB	SC825TQ-R720LPB	No	Link
Super Micro	SuperChassis 836E26-R1200B	SC836E26-R1200B	No	Link
Super Micro	SuperChassis 836E16-R1200B	SC836E16-R1200B	No	Link
Super Micro	SuperChassis 836A-R1200B	SC836A-R1200B	No	Link
Super Micro	SuperChassis 836TQ-R800B	SC836TQ-R800B	No	Link
Super Micro	SuperChassis 836E1-R800B	SC836E1-R800B	No	Link
Super Micro	SuperChassis 836E2-R800B	SC836E2-R800B	No	Link
Super Micro	SuperChassis 846E1-R710B	CSE-846E1-R710B	No	Link
Super Micro	SuperChassis 846E1-R900B	CSE-846E1-R900B	No	Link
Super Micro	SuperChassis 846E1-R1200B	CSE-846E1-R1200B	No	Link
Super Micro	SuperChassis 846E16-R1200B	CSE-846E16-R1200B	No	Link
Super Micro	SuperChassis 846E2-R900B	CSE-846E2-R900B	No	Link
Super Micro	SuperChassis 846E26-R1200B	CSE-846E26-R1200B	No	Link
Super Micro	SuperChassis 847E1-R1400LPB	SC847E1-R1400LPB	No	Link
Super Micro	SuperChassis 847E2-R1400LPB	SC847E2-R1400LPB	No	Link
Super Micro	SuperChassis 847E16-RJBOD1	SC847E16-RJBOD1	No	Link

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Super Micro	SuperChassis 847E26-RJBOD1	SC847E26-RJBOD1	No	Link
Super Micro	SuperChassis 216E26-R1200LPB	SC216E26-R1200LPB	No	Link
Super Micro	SuperChassis 216E16-R1200LPB	SC216E16-R1200LPB	No	Link
Super Micro	SuperChassis 216E2-R900LPB	SC216E2-R900LPB	No	Link
Super Micro	Super Storage Bridge Bay SYS-937R-E2JB	SYS-937R-E2JB	No	Link
Xyratex	SP2212S	HB-1235-E6-2EBD-2P58	No	Link
Xyratex	SP2424S	HB-2435-E6-2EBD-2P58	No	Link

Memory				
Vendor	Product Name	Model #	Speed	Learn More
Netlist	HyperStream 4GB 1333 MT/s	HS4R002	1333 MT/s	Link
Netlist	HyperStream 8GB 1333MT/s	HS8R002	1333 MT/s	Link
Netlist	HyperCloud 16GB 1333/1066MHz 2Rx4DDP	NMD2G7G3510 BHD10	1333 MT/s	Link

Motherboards				
Vendor	Product Name	Model #	Bus Type	Learn More
HP	HP 599038-001	599038-001	PCI-E	Link

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Intel	Intel Server Board S5520UR	S5520UR	PCI-E	Link
Intel	Intel Server Board S5520HC	S5520HC	PCI-E	Link
Super Micro	ATX 12"x10" Xeon Quad/Dual-Core Tylersburg ServerBoard	X8DTL-IF	PCI-E	Link
Super Micro	Dual IOH36, SASII Xeon Quad/Dual-Core Tylersburg ServerBoard	X8DTH-6F	PCI-E	Link
Super Micro	Dual IOH-36D, 7 PCI-E Slots, 5520 Xeon Quad/Dual-Core ServerBoard	X8DAH+-F	PCI-E	Link
Super Micro	Dual IOH36, Xeon Quad/Dual-Core Tylersburg ServerBoard	X8DTH-I	PCI-E	Link
Super Micro	18 Dimm Xeon 5520 (Tylersburg) ServerBoard - UIO, 288G	X8DTN+	PCI-E	Link
Super Micro	18 Dimm Xeon 5520 (Tylersburg) ServerBoard - UIO, 288G	X8DTN+F	PCI-E	Link
Super Micro	18 DIMM 6Gbps SAS (SAS 2.0) w/ Hardware RAID and 10G UIO ServerBoard	X8DTU-6TF+	PCI-E	Link
Super Micro	18 DIMM 4 LAN UIO ServerBoard	X8DTU-LN4F+	PCI-E	Link
Super Micro	5 PCI-E 2.0 Xeon Tylersburg ServerBoard	X8DTE-F	PCI-E	Link
Super Micro	5 PCI-E 2.0 Xeon Tylersburg ServerBoard	X8DTE	PCI-E	Link
Super Micro	SAS/Quad LANs Xeon Quad/Dual-Core Tylersburg ServerBoard	X8DT3-LN4F	PCI-E	Link
Super Micro	4 LANs Xeon Quad/Dual-Core Tylersburg ServerBoard w/ IPMI Onboard	X8DTi-LN4F	PCI-E	Link
Super Micro	Super Micro X8DTS-F ServerBoard	X8DTS-F	PCI-E	Link

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SAS Controllers				
Vendor	Product Name	Model #	Bus Type	Learn More
LSI	LSI SAS 9200-16e	9200-16e	SAS	Link
LSI	LSI SAS 9200-8e	9200-8e	SAS	Link
LSI	LSI SAS 9201-16e	9201-16e	SAS	Link
LSI	LSI SAS 9205-8e	9205-8e	SAS	Link
LSI	LSI SAS 9211-8i	9211-8i	SAS	Link
LSI	LSI SAS 9212-4i4e	9212-4i4e	SAS	Link
LSI	LSI SAS 3081E-R	3081E-R	SAS	Link
LSI	LSI SAS 3801E	3801E	SAS	Link

SAS Drives				
Vendor	Product Name	Model #	Bus Type	Learn More
Hitachi	Hitachi 2.5" SAS 200GB HUSL4020ASS600	HUSL4020ASS 600	SAS	Link
Hitachi	Hitachi 3.5" SAS 600GB HUS156060VLS600	HUS156060VLS 600	SAS	Link

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Seagate	Cheetah 15K.7 SAS 6-Gb/s 450-GB Hard Drive	ST3450857SS	SAS	Link
Seagate	Seagate Savvio 10K.3 6-Gb/s 146-GB Hard Drive	ST9146803SS	SAS	Link
Seagate	Seagate Savvio 10K.3 6-Gb/s 300-GB Hard Drive	ST9300603SS	SAS	Link
Seagate	Seagate Savvio 10K.5 6-Gb/s 900-GB Hard Drive	ST9900805SS	SAS	Link
Seagate	Barracuda ES.2 SAS 3.0-Gb/s 750-GB Hard Drive	ST3750630SS	SAS	Link
Seagate	Barracuda ES.2 SAS 3-Gb/s 1-TB Hard Drive	ST31000640SS	SAS	Link
Seagate	Seagate Constellation ES SAS 6Gb/s 500-GB Hard Drive	ST3500414SS	SAS	Link
Seagate	Seagate Constellation ES SAS 6Gb/s 1-TB Hard Drive	ST31000424SS	SAS	Link
Seagate	Seagate Constellation ES SAS 6Gb/s 2-TB Hard Drive, 64MB cache	ST2000NM0001	SAS	Link
Seagate	Seagate Constellation ES SAS 6Gb/s 2-TB Hard Drive	ST32000444SS	SAS	Link
Toshiba	MBF2600RC 600GB 10K-RPM Hard Disk Drive	MBF2600RC	SAS	Link

SAS Switches				
Vendor	Product Name	Model #	Bus Type	Learn More
LSI	LSI SAS6160 Switch	SAS6160	SAS/SATA	Link

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SATA Drives				
Vendor	Product Name	Model #	Bus Type	Learn More
Hitachi	Hitachi Ultrastar A7K2000 2TB, SATAII, 32MB, 7200RPM	HUA72202	SATA	Link
Hitachi	Hitachi Ultrastar A7K2000 1TB, SATAII, 32MB, 7200RPM	HUA72201	SATA	Link

Servers				
Vendor	Product Name	Model #	Bus Type	Learn More
Area Data	Area Data DNS-4800	DNS-4800	PCI-E	Link
Cisco	Cisco UCS C200 M2	UCS C200 M2	PCI-E	Link
Cisco	Cisco UCS C210 M2	UCS C210 M2	PCI-E	Link
Coraid	Coraid EtherDrive Z2000	Z2000	PCI-E	Link
Dell	Dell PowerEdge R510 Note: This system requires an Intel NIC. Nexenta does not support the onboard Broadcom NIC.	R510	PCI-E	Link
Dell	Dell PowerEdge R710 Note: This system requires an Intel NIC. Nexenta does not support the onboard Broadcom NIC.	R710	PCI-E	Link
Dell	Dell PowerEdge C2100	C2100	PCI-E	Link
HP	Proliant DL160 G6	DL160	PCI-E	Link

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HP	Proliant DL180 G6	DL180	PCI-E	Link
HP	Proliant DL380 G6	DL380	PCI-E	Link
HP	Proliant DL360 G7	DL360	PCI-E	Link
Intel	Intel Server System SR2612UR	SR2612UR	PCI-E	Link
Intel	Intel Server System SR2625	SR2625	PCI-E	Link
Intel	Intel Server System SR2600	SR2600URBRP-R	PCI-E	Link
Super Micro	A+ Server 2021M-UR+V	2021M-UR+V	PCI-E	Link
Super Micro	A+ Server 2021M-UR+	2021M-UR+	PCI-E	Link
Super Micro	A+ Server 2021M-T2R+V	2012M-T2R+V	PCI-E	Link
Super Micro	A+ Server 2021M-T2R+B	2021M-T2R+B	PCI-E	Link
Super Micro	SuperServer 6026T-3RF	6026T-3RF	PCI-E	Link
Super Micro	SuperServer 6026T-TF	6026T-TF	PCI-E	Link
Super Micro	SuperServer 6026T-URF4+	6026T-URF4+	PCI-E	Link
Super Micro	SuperServer 6026T-6RFT+	6026T-6RFT+	PCI-E	Link
Super Micro	SuperServer 6036ST-6LR	6036ST-6LR	PCI-E	Link

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Solid State Drives						
Vendor	Product Name Model #	Capacity	Tested with Expander	Interposer	HA Certified	Learn More
Hitachi	Hitachi Ultrastar SSD400S HUSSL4020ASS600	200GB	Yes	-	Yes	Link
OCZ	OCZ Talos C Series	Up to 960GB	Yes	-	Yes	Link
Pliant/SAN DISK	Lightning LS 150S	150GB	Yes	-	Yes	Link
STEC	Zeus IOPS SAS 3Gb/s	Up to 800GB	Yes	-	Yes	Link
STEC	Zeus IOPS SAS 6Gb/s SLC	Up to 800GB	Yes	-	Yes	Link
STEC	Zeus IOPS SAS 6Gb/s MLC	Up to 800GB	Yes	-	Yes	Link
STEC	Zeus RAM SAS 6Gb/s	Up to 8GB	Yes	-	Yes	Link
Toshiba	MK-Series 100GB 2.5" SAS 6Gb/s	Up to 400GB	Yes	-	Yes	Link
Intel	Intel X25-M SSDA1M080G2XX	80GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel X25-M SSDA2M080G2XX	80GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel X25-M SSDA2M120G2XX	120GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel X25-M SSDSA1M160G2XX	160GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel X25-M SSDSA2MH160G2	160GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel X25-M SSDSA2M080G2XX	80GB	Yes	Yes ¹	Yes (3Gbps only)	Link

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Intel	Intel X25-M SSDSA2M160G2XX	160GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel X25-E SSDSA2SH032G1	64GB	Yes	Yes ¹	Yes (3Gbps only)	Link
Intel	Intel 510 Series	120GB	Yes	No	No	Link
Intel	Intel 311 Series	20GB	Yes	No	No	Link
Intel	Intel 320 Series	300GB	Yes	No	No	Link
OCZ	Vertex 3 VTX3-25SAT3-240G	240GB	No	No	No	Link
STEC	Zeus Mach8	Up to 256GB	No	No	No	Link
STEC	Mach16 ^{IOPS}	Up to 200GB	No	No	No	Link
DDRdrive	DDRdrive X1	4GB DRAM	-	-	No	Link

1) NOTE: Tested with the LSI SAS Interposer part number SS9135.

About Nexenta

Founded in 2005 and privately held, Nexenta Systems, Inc., has developed NexentaStor™, the leading OpenStorage enterprise class storage solution and sponsors NexentaCore, an operating system that combines the high performance and reliability of OpenSolaris with the ease of use and breadth of applications of Linux. Both solutions leverage the revolutionary file system ZFS. More information about Nexenta, including free trial software downloads, can be accessed on our website (www.nexenta.com) or our information line at (877) 862-7770 (USA).

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