



1200.2 SAS SSD

Compatibility Report Summary



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March 2017

Revision History

Version	Date	Description of Change
Rev. A		Initial release.
Rev. B	03/22/16	Additional vendor compatibility added
Rev. C	09/26/16	Additional vendor compatibility added
Rev. D	12/08/16	Additional vendor compatibility added
Rev. E	03/11/17	Vendor compatibility updated

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1. Overview

This document includes passed compatibility test summary for Seagate 1200.2 SAS SSD.

Seagate 1200.2 SAS SSD devices provide high performance, high capacity data storage for a variety of systems with a Serial Attached SCSI (SAS) interface. The Serial Attached SCSI interface is designed to meet next-generation computing demands for performance, scalability, flexibility and high-density storage requirements.

The following tables list the hardware and software products compatible with the Seagate 1200.2 based on Seagate or technology partner testing. Seagate subjects 1200.2 SAS SSD devices to internal and 3rd-party testing facilities to ensure the highest level of compatibility.

2. HBA and RAID Cards

Table 2 Compatible HBA and RAID cards

Group	Vendor	Class	Model	Rate	Firmware	Tested By	Date Passed
Card	Adaptec	RAID	ASR-6805	6G	5.2.0 b19147	Seagate	10/21/2015
Card	Adaptec	RAID	ASR-7805	6G	7.5.0 b32033	Seagate	10/21/2015
Card	Adaptec	RAID	ASR-8805	12G	7.8.0 b32033	Seagate	10/5/2015
Card	Adaptec	RAID	8405	12G		PMC Sierra	11/24/2015
Card	Adaptec	RAID	8805	12G		PMC Sierra	11/24/2015
Card	Adaptec	RAID	8885	12G		PMC Sierra	11/24/2015
Card	Adaptec	RAID	81605Z	12G		PMC Sierra	11/24/2015
Card	Adaptec	RAID	8885Q and 81605ZQ w/maxCache 3.0	12G		PMC Sierra	11/24/2015
Card	Adaptec	RAID	ASR-8885Q	12G	7.8.0-32730	Seagate	11/24/2015
Card	Adaptec	RAID	ASR-71685	6G	7.5.0-32084	Seagate	11/24/2015
Card	Adaptec	RAID	ASR-7805	6G	7.5.0-32084	Seagate	11/24/2015
Card	Areca	HBA	ARC-1320-8i	6G	1.16	Seagate	01/19/2016
Card	Areca	RAID	ARC-1883i	12G	1.52	Seagate	01/19/2016
Card	Areca	RAID	ARC-1883ix-12	12G	1.52	Seagate	01/19/2016
Card	ASUS	RAID	PIKE Card	12G		ASUS	10/17/2016
Card	ATTO	RAID	R608	6G	2015_12_11	Seagate	01/19/2016
Card	ATTO	RAID	R680	6G	2015_12_11	Seagate	10/5/2015
Card	ATTO	RAID	R644	6G	2016_01_05	Seagate	03/08/2016
Card	ATTO	HBA	H644	6G	2016_01_27	Seagate	03/08/2016
Card	ATTO	HBA	H12F0	12G	2016_01_05	Seagate	03/08/2016
Card	Avago/LSI	RAID	MegaRAID SAS9361-8i	12G		Broadcom	01/06/2016
Card	Avago/LSI	RAID	MegaRAID SAS9380-8ei	12G		Broadcom	01/06/2016
Card	Avago/LSI	RAID	MegaRAID SAS9380-8e	6G		Broadcom	01/06/2016
Card	Avago/LSI	HBA	Avago SAS9380-4i4ei	12G		Broadcom	01/06/2016
Card	Avago/LSI	RAID	MegaRAID SAS9361-4i	12G		Broadcom	01/06/2016
Card	Avago/LSI	HBA	SAS9201-16i	6G	20.00.04.00	Seagate	11/24/2015
Card	Avago/LSI	HBA	SAS9207-8e	6G	20.00.00.00	Seagate	10/21/2015
Card	Avago/LSI	HBA	SAS9207-8i	6G	20.00.02.00	Seagate	10/05/2015
Card	Avago/LSI	HBA	SAS9300-8e	12G	08.00.00.00	Seagate	10/21/2015

Group	Vendor	Class	Model	Rate	Firmware	Tested By	Date Passed
Card	Avago/LSI	HBA	SAS9300-8e	12G	10.00.00.00	Seagate	11/24/2015
Card	Avago/LSI	HBA	SAS9300-8i	12G	08.00.00.00	Seagate	10/05/2015
Card	Avago/LSI	HBA	SAS9305-24i	12G	09.00.52.00	Seagate	11/24/2015
Card	Avago/LSI	HBA	SAS9311-4i4ei	12G	09.00.00.00	Seagate	11/24/2015
Card	Avago/LSI	RAID	MegaRAID 9265-8i	6G	23.29.0-0016	Seagate	10/21/2015
Card	Avago/LSI	RAID	MegaRAID 9280DE-8e	6G	12.15.0-0205	Seagate	10/21/2015
Card	Avago/LSI	RAID	MegaRAID 9285-8e	6G	23.29.0-0016	Seagate	10/21/2015
Card	Avago/LSI	RAID	MegaRAID 9361-8i	12G	24.8.0-0020	Seagate	10/05/2015
Card	Avago/LSI	RAID	MegaRAID 9380-8e	12G	24.8.0-0020	Seagate	10/05/2015
Card	Avago/LSI	RAID	MegaRAID SAS9341-8i	6G	20.00.02.00	Seagate	11/24/2015
Card	Avago/LSI	HBA	SAS 9200-8e	6G	24.00.04.00	Seagate	03/08/2016
Card	Avago/LSI	HBA	SAS 9201-16e	6G	24.00.04.00	Seagate	03/08/2016
Card	Avago/LSI	HBA	SAS 9206-16e	6G	24.00.04.00	Seagate	03/08/2016
Card	Avago/LSI	HBA	SAS 9211-8i	6G	24.00.04.00	Seagate	03/18/2016
Card	Avago/LSI	HBA	SAS 9211-4i	6G	24.00.04.00	Seagate	03/18/2016
Card	Avago/LSI	RAID	MR 9271-8i	6G	23.34.0-0005	Seagate	03/08/2016
Card	Avago/LSI	RAID	MR 9280-24i4e	6G	12.15.0-0239	Seagate	03/08/2016
Card	Avago/LSI	RAID	MR9286CV-8e	6G	12.15.0-0239	Seagate	03/08/2016
Card	Avago/LSI	HBA	SAS9300-16e	12G	10.00.02.00	Seagate	01/19/2016
Card	Dell	RAID	PERC H310 mini	6G	20.13.1-0002	Seagate	10/05/2015
Card	Dell	RAID	PERC H330	12G	25.3.0.0016	Seagate	10/05/2015
Card	Dell	RAID	PERC H710 mini	6G	21.3.1-0004	Seagate	10/05/2015
Card	Dell	RAID	PERC H730	12G	25.3.0.0016	Seagate	03/18/2016
Card	Dell	RAID	PERC H830	12G	25.3.0.0016	Seagate	03/18/2016
Card	Intel	HBA	RS25GB008	6G	20.00.02.00	Seagate	01/19/2016
Card	Intel	RAID	RS25AB080	6G	23.33.0-0022	Seagate	01/19/2016
Card	Intel	RAID	RS3DC080	12G	06.00.00.00	Seagate	11/24/2015
Card	Intel	HBA	RS3GC008	12G	2015.02.25	Seagate	03/08/2016
Card	Marvel	HBA	VA6800m	6G	4.0.0.1808	Seagate	10/21/2015
Card	Microsemi	HBA	Adaptec 1000-8ei	12G		Microsemi	06/13/16

Group	Vendor	Class	Model	Rate	Firmware	Tested By	Date Passed
Card	Microsemi	HBA	7805Hi	6G	1.4.0.11068	Seagate	No tool*
Card	Microsemi	HBA	1000-8ii	12G	1.02	Seagate	04/15/2016
Card	Microsemi	HBA	1000-16ei	12G	1.02	Seagate	04/15/2016
Card	Microsemi	HBA	1000-8i8e	12G	1.02	Seagate	04/15/2016
Card	Microsemi	HBA	70165H	6G	1.4.0.11068	Seagate	No tool*
Card	Microsemi	HBA	7085H	6G	1.4.0.11068	Seagate	No tool*
Card	Microsemi	HBA	1000-8e	12G	1.02	Seagate	04/15/2016
Card	Microsemi	HBA	1000-16i	12G	1.020	Seagate	04/15/2016
Card	Microsemi	HBA	Adaptec 1000-8i	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 71605 +e	6G		Microsemi	06/13/16
Card	Microsemi	RAID	Adap.RAID 71685 78165	6G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 72405	6G		Microsemi	06/13/16
Card	Microsemi	RAID	Adap.RD 7805Q 71605Q	6G		Microsemi	06/13/16
Card	Microsemi	HBA	Adaptec 1000-8i8ei	12G		Microsemi	06/13/16
Card	Microsemi	HBA	Adaptec 1000-16e	12G		Microsemi	06/13/16
Card	Microsemi	HBA	Adaptec 1000-16i	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 8405	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 8805	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 8885	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 81605Z	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 8885Q	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 78165	12G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 7805	6G		Microsemi	06/13/16
Card	Microsemi	RAID	Adaptec RAID 71685	6G		Microsemi	06/13/16
Card	Supermicro	HBA	71605H	12G	1.4.0.11068	Seagate	11/24/2015

3. Servers

Table 3 Servers

Group	Vendor	Model	Bios Rev	Operating System	Tested By	Date Passed
Server	Dell	R730XD	1.2.10	RHEL 7.1	Seagate	12/16/2015
Server	Dell	R730XD	1.2.10	Windows 2012 R2	Seagate	12/16/2015
Server	HP	DL380 G9	P89 1.32	RHEL 7.1	Seagate	11/13/2015
Server	HP	DL380 G9	P89 1.32	Windows 2012 R2	Seagate	11/13/2015
Server	Inspur	NF5270 M4	AMI 4.0.7	RHEL 7.0	Seagate	11/13/2015
Server	Inspur	NF5270 M4	AMI 4.0.7	Windows 2012 R2	Seagate	11/13/2015
Server	Supermicro	SYS-2028U-TR4+	1.0c	RHEL 7.1	Seagate	12/16/2015
Server	Supermicro	SYS-2028U-TR4+	I1.0c	Windows 2012 R2	Seagate	12/16/2015

4. Box Enclosures

Table 4 Box Enclosures

Group	Vendor	Class	Model	Rate	Tested By	Date Passed
Enclosure	Astek	Expander	A41612-ENC-01	12G	Seagate	01/19/2016
Enclosure	Chenbro	Expander	RM23524D2-R820L	6G	Seagate	01/19/2016
Enclosure	DataON	Expander	DNS 2640	12G	Seagate	01/19/2016
Enclosure	Dell	Expander	R730 Server 16 bay	12G	Seagate	10/5/2015
Enclosure	Dell	Expander	R720xd Server 24 bay	6G	Seagate	10/5/2015
Enclosure	Dell	Expander	R720 Server 16 bay	6G	Seagate	10/5/2015
Enclosure	Huawei	Expander	Huawei RH2288H v3	12G	Seagate	11/24/2015
Enclosure	IBM	Direct Connect	IBM x3650 M5 - 4 Bay	12G	Seagate	11/24/2015
Enclosure	IBM	Direct Connect	IBM x3690 X5 - 6 Bay	12G	Seagate	11/24/2015
Enclosure	Infortrend	Direct Connect	DS1000	Many	Infortrend	03/21/2016
Enclosure	Infortrend	Direct Connect	DS2000	Many	Infortrend	03/21/2016
Enclosure	Infortrend	Direct Connect	DS3000	Many	Infortrend	03/21/2016
Enclosure	Infortrend	Direct Connect	DS4000	Many	Infortrend	03/21/2016
Enclosure	Inspur	Expander	Inspur NF5270M4	12G	Seagate	11/24/2015
Enclosure	Inspur	Expander	Inspur NF5270M3	6G	Seagate	11/24/2015
Enclosure	Lenovo	Direct Connect	RD630 :: LSI 2U 10598-1	6G	Seagate	01/19/2016
Enclosure	QNAP	NAS	REXP-1000 Pro (10-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	REXP-1200U-RP (12-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	REXP-1220U-RP (12-Bay)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	SS-EC1279U-SAS-RP (12-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TS-EC1279U-SAS-RP (12-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC1280U-SAS-RP (12-Bay)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC1280U-SAS-RP R2 (12-B)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC1580MU-SAS-RP (15-B)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC1580MU-SAS-RP R2 (15)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	REXP-1600U-RP (16-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	REXP-1620U-RP (16-Bay)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TDS-16489U (16-Bay)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TS-EC1679U-SAS-RP (16-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC1680U-SAS-RP (16-Bay)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC1680U-SAS-RP R2 (16-Bay)	12G	QNAP	09/20/2016

Group	Vendor	Class	Model	Rate	Tested By	Date Passed
Enclosure	QNAP	NAS	SS-EC1879U-SAS-RP (18-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	SS-EC2479U-SAS-RP (24-Bay)	6G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC2480U-SAS-RP (24-Bay)	12G	QNAP	09/20/2016
Enclosure	QNAP	NAS	TVS-EC2480U-SAS-RP R2 (24-B)	12G	QNAP	09/20/2016
Enclosure	Sans Digital	Expander	AS224X12R JBOD	12G	Seagate	11/24/2015
Enclosure	Sans Digital	Direct Connect	AS224X12R JBOD	12G	Seagate	01/19/2016
Enclosure	Seagate	Expander	OneStor SP-3224-E12	12G	Seagate	01/19/2016
Enclosure	Supermicro	Direct Connect	2028U-TR4+BPN-SAS3-216A	12G	Seagate	10/05/2015
Enclosure	Supermicro	Direct Connect	X9DRW-iF w/ SAS625TQ	12G	Seagate	10/05/2015
Enclosure	Supermicro	Direct Connect	X9DRW-iF w/ SAS 213A	12G	Seagate	10/05/2015
Enclosure	Supermicro	Expander	X9DRI-LN4F+ BPN-SAS2-836EL1	6G	Seagate	10/05/2015
Enclosure	Supermicro	Direct Connect	SMC 2027R-WRF + SAS213A	12G	Seagate	11/24/2015
Enclosure	Supermicro	Direct Connect	SMC 2027R-N3RF4+ SAS213A	12G	Seagate	11/24/2015
Enclosure	Supermicro	Direct Connect	SMC 2028U-TR4+BPN-SAS3-216A	12G	Seagate	11/24/2015
Enclosure	Supermicro	Direct Connect	SMC1027R-72RFTP + SAS113TQ	12G	Seagate	11/24/2015
Enclosure	Supermicro	Direct Connect	SMC X8DAH + BPN-SAS2-216EL2	6G	Seagate	11/24/2015
Enclosure	Supermicro	Direct Connect	SMC 6037R-E1R16N + BPN-SAS2-836-EL1	6G	Seagate	11/24/2015
Enclosure	Supermicro	Direct Connect	SYS-2028U-TR4+ BPN-SAS3-216A	12G	Seagate	01/19/2016
Enclosure	Supermicro	Direct Connect	X10 2028U-TR4+ BPN-SAS3-216A	12G	Seagate	10/05/2015
Enclosure	Supermicro	Direct Connect	SYS-6028U-TRT+BPN-SAS3-826A	12G	Seagate	01/19/2016
Enclosure	Supermicro	Direct Connect	X9DRH-7TF + BPN-SAS-216A	12G	Seagate	01/19/2016
Enclosure	Supermicro	Direct Connect	SAS JBOD + BPN-SAS2-216EL21	6G	Seagate	01/19/2016
Enclosure	Supermicro	Direct Connect	SYS-1027R-72RFTP + BPN-SAS-113TQ	12G	Seagate	01/19/2016
Enclosure	Supermicro	Direct Connect	SYS-6028R-TR + BPN-SAS-825TQ	6G	Seagate	01/19/2016

5. Operating Systems

Table 5 Operating Systems

Group	Vendor	OS Version	Tested By	Date Passed
OS	Microsoft	Windows 7 32bit & 64bit	Seagate	10/8/2015
OS	Microsoft	Windows 8 32bit & 64bit	Seagate	10/8/2015
OS	Microsoft	Windows 8.1 32bit & 64bit	Seagate	10/8/2015
OS	Microsoft	Windows 10 32bit & 64bit	Seagate	10/8/2015
OS	Microsoft	Windows Server 2008 32bit & 64bit	Seagate	10/8/2015
OS	Microsoft	Windows Server 2008 R2 64bit	Seagate	10/8/2015
OS	Microsoft	Windows Server 2012 64bit	Seagate	10/8/2015
OS	Microsoft	Windows Server 2012 R2 64bit	Seagate	10/8/2015
OS	Microsoft	Windows Server 2016 64bit	Seagate	10/8/2015
OS	Microsoft	Windows Server 2012	Seagate	10/8/2015
OS	Microsoft	Windows Server 2012 R2 only	Seagate	10/8/2015
OS	Microsoft	Windows Server 2016	Seagate	10/8/2015
OS	Red Hat	RH 7.0	Seagate	11/24/2015
OS	VMware	vSAN ESXi 6.0 U2	VMware	06/10/2016
OS	VMware	vSAN ESXi 6.0 U1	VMware	06/10/2016
OS	VMware	vSAN ESXi 6.6	VMware	06/10/2016
OS	VMware	vSAN ESXi 6.6 U3	VMware	06/10/2016
OS	VMware	vSAN ESXi 6.6 U2	VMware	06/10/2016
OS	VMware	vSAN ESXi 6.6 U1	VMware	06/10/2016

6. Applications

Table 6 Applications

Group	Vendor	OS Version	Tested By	Date Passed
Apps	InterModal Data		InterModal Data	03/20/16
Apps	Nexenta	NexentaStor 4.0.x (ZIL/SLOG)	Nexenta	10/13/2016
Apps	Nexenta	NexentaStor 4.0.x (L2ARC)	Nexenta	10/13/2016
Apps	Nexenta	NexentaStor 4.0.x (GP DD)	Nexenta	10/13/2016

Note:

Completed validation by National Institute of Standards and Technology (NIST) for security compliant to Federal Information Processing Standards (FIPS) 140-2.

Link: <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401val2016.htm#2634>



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