

Promise^R VessJBOD 1000 Series SR2.1 Compatibility List

Document History:

Date	Release Label	Release Version	Notes
2009/7/7	SR2.0	Based on original Compatibility List and qualified some new devices: <ul style="list-style-type: none">● SAS Hard Drive: 4 new models● SATA Hard Drive: 6 new models	
2009/9/18	SR2.1	Based on original SR2 Compatibility List and qualified some new devices: (for blue-color highlights) <ul style="list-style-type: none">● SATA Hard Drive: 3 new models	

Compatibility list included versions in this build are:

Firmware: 2.09.0000.00

1. SAS Host Bus Adapters

SAS HBA compatibility only qualifies on JBOD connectivity test, not include SES test.

NO.	Vendor	Model	BIOS/FW	PCI Interface	External Channels	RAID Function
1	Promise	SuperTrak EX8658	3.00.0000.84	PCIe	8 ports	RAID
2	Promise	SuperTrak EX8654	3.00.0000.84	PCIe	4 ports	RAID
3	Promise	SuperTrak TX8658	3.1.0.0	PCIe	8 ports	RAID
4	LSI	SAS3801X	FW:1.28.02.00 BIOS:6.28.00.00	PCI-X	8 ports	Non-RAID
5	LSI	SAS3801E	FW:1.28.02.00 BIOS:6.28.00.00	PCIe	8 ports	Non-RAID
6	LSI	SAS3442X	FW:1.28.02.00 BIOS:6.28.00.00	PCI-X	4 ports	Non-RAID
7	Adaptec	ASC-1045	4.0.0.0	PCIe	4 ports	Non-RAID
8	Adaptec	ASR-2045	BIOS:5.2-0 Build 16343	PCIe	4 ports	RAID
9	Adaptec	ASR-5445	BIOS:5.2-0 Build 16343	PCIe	4 ports	RAID
10	Adaptec	ASR-3085	BIOS:5.2-0 Build 15753	PCIe	8 ports	RAID
11	Adaptec	ASR-51245	BIOS:5.2-0 Build 16343	PCIe	4 ports	RAID
12	ATTO	EXPRESSSAS R348	3.01	PCIe	4 ports	RAID
13	ATTO	EXPRESSSAS H380	3.01	PCIe	8 ports	Non-RAID
14	ATTO	EXPRESSSAS R380	3.01	PCIe	8 ports	RAID
15	3ware	9690SA-414E	FW:4.06.00.015 BIOS:4.06.00.004	PCIe	4 ports	RAID
16	3ware	9690SA-8E	FW:4.06.00.015 BIOS:4.06.00.004	PCIe	8 ports	RAID
17	Areca	ARC-1680	FW:1.45 BIOS: 1.45	PCIe	8 ports	RAID
18	Areca	ARC-1680LP	FW:1.45 BIOS: 1.45	PCIe	4 ports	RAID
19	Areca	ARC-1680ix-8	FW:1.45 BIOS: 1.45	PCIe	4 ports	RAID
20	DELL	SAS 5/E Adapter	FW: 0.10.51.00-IT BIOS:MPTBIOS- 6.12.05.00	PCIe	8 ports	Non-RAID

2. SAS Hard Drives

The RAID controller only uses VessRAID to qualify VessJBOD hard drives compatibility.

No.	Drive Vendor	Model	Drive Family	Capacity (GB)	FW Version	Buffer	Transfer Rate	Form Factor
1	FUJITSU	MBA3147RC	MBA3 RC	147GB	0103	16MB	3.0Gb/s	3.5"
2	HITACHI	HUS153014VLS300	Ultrastar 15K300	147GB	A410	16MB	3.0Gb/s	3.5"
3	HITACHI	HUS153030 VLS300	Ultrastar 15k300	300GB	A410	16MB	3.0Gb/s	3.5"
4	HITACHI	HUS154545VLS300	Ultrastar 15K450	450GB	A750	16MB	3.0Gb/s	3.5"
5	SEAGATE	ST31000640SS	Barracuda ES.2	1TB	0001	16MB	3.0Gb/s	3.5"
6	SEAGATE	ST3146855SS	Cheetah 15k.5	146GB	0002	16MB	3.0Gb/s	3.5"
7	SEAGATE	ST3146356SS	Cheetah 15k.6	146GB	0005	16MB	3.0Gb/s	3.5"

8	SEAGATE	ST3300656SS	Cheetah 15K.6	300GB	0004	16MB	3.0Gb/s	3.5"
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⚡ In a RAID array setup, we recommend using the enterprise level hard drive as it has much better command timeout control and features stable reliability to vibration compared to desktop one for critical applications.

3. SATA Hard Drives

The RAID controller only uses VessRAID to qualify VessJBOD hard drives compatibility.

No.	Drive Vendor	Model	Drive Family	Capacity (GB)	FW Version	Buffer	Transfer Rate	Form Factor	NCQ / TCQ
1	HITACHI	HUA721050KLA330	Ultrastar A7K1000	500GB	GK6OAB0A	16MB	3Gb/s	3.5"	NCQ
2	HITACHI	HUA721075KLA330	Ultrastar A7K1000	750GB	GK80AB0A	32MB	3Gb/s	3.5"	NCQ
3	HITACHI	HUA721010KLA330	Ultrastar A7K1000	1TB	GKAOAB0A	32MB	3Gb/s	3.5"	NCQ
4	HITACHI	HDE721050SLA330	Deskstar E7K1000	500GB	ST3OA31B	32MB	3Gb/s	3.5"	NCQ
5	HITACHI	HDE721075SLA330	Deskstar E7K1000	750GB	ST4OA31B	32MB	3Gb/s	3.5"	NCQ
6	SAMSUNG	HE502IJ	Spinpoint F1	500GB	1AA01113	16MB	3Gb/s	3.5"	NCQ
7	SAMSUNG	HE753LJ	Spinpoint F1	750GB	1AA01117	32MB	3Gb/s	3.5"	NCQ
8	SAMSUNG	HE103UJ	Spinpoint F1	1TB	1AA01111	32MB	3Gb/s	3.5"	NCQ
9	SEAGATE	ST3500320NS	Barracuda ES.2	500GB	SN06	32MB	3Gb/s	3.5"	NCQ
10	SEAGATE	ST3750330NS	Barracuda ES.2	750GB	SN06	32MB	3Gb/s	3.5"	NCQ
11	SEAGATE	ST31000340NS	Barracuda ES.2	1TB	SN06	32MB	3Gb/s	3.5"	NCQ
12	SEAGATE	ST3500320SV	SV35.3	500GB	SV17	32MB	3Gb/s	3.5"	NCQ
13	SEAGATE	ST3750330SV	SV35.3	750GB	SV16	32MB	3Gb/s	3.5"	NCQ
14	SEAGATE	ST31000340SV	SV35.3	1TB	SV16	32MB	3Gb/s	3.5"	NCQ
15	SEAGATE	ST3320410SV	SV35.4	320GB	CV12	16MB	3Gb/s	3.5"	NCQ
16	WDC	WD1500HLFS	WD VelociRaptor	150GB	04.04V01	16MB	3Gb/s	3.5"	NCQ
17	WDC	WD7500AYYS	WD RE2	750GB	30.04G30	16MB	3Gb/s	3.5"	NCQ
18	WDC	WD5000AVVS	WD AV-GP	500GB	05.04C05	8MB	3Gb/s	3.5"	NCQ
19	WDC	WD7500AVVS	WD AV-GP	750GB	01.01A01	8MB	3Gb/s	3.5"	NCQ
20	WDC	WD10EVVS	WD AV-GP	1TB	01.01A01	8MB	3Gb/s	3.5"	NCQ
21	WDC	WD5000ABPS	WD RE2-GP	500GB	02.01B01	16MB	3Gb/s	3.5"	NCQ
22	WDC	WD7500AYPS	WD RE2-GP	750GB	02.01B01	16MB	3Gb/s	3.5"	NCQ
23	WDC	WD1000FYPS	WD RE2-GP	1TB	02.01B01	16MB	3Gb/s	3.5"	NCQ
24	WDC	WD5002ABYS	WD RE3	500GB	02.03B02	16MB	3Gb/s	3.5"	NCQ
25	WDC	WD7502ABYS	WD RE3	750GB	03.00C05	32MB	3Gb/s	3.5"	NCQ
26	WDC	WD1002FBYS	WD RE3	1TB	03.00C05	32MB	3Gb/s	3.5"	NCQ
27	WDC	WD2002FYPS^[1]	WD RE4-GP	2TB	04.05G04	64MB	1.5Gb/s	3.5"	NCQ

⚡ In a RAID array setup, we recommend using the enterprise level hard drive as it has much better command timeout control and features stable reliability to vibration compared to desktop one for critical applications.

⚠ Note[1]: User has to use the jumper and operate the WD2002FYPS drive at 1.5Gb/s speed to make sure that the system can function normally.