



LAB AND ENGINEERING

DSS224J-S3 Approved Vendor List (AVL)

Description

This document is to present the vendor components that are qualified and approved to be used in conjunction with Premio's enclosure. The list is curated from Premio's lab test results, as well as from AVL and QVL of the aforementioned components. Items unlisted do not reflect on their incompatibility rather than they have yet looked upon. Disqualified items may be listed explicitly. Items on the list are subject to change.

Enclosures

DSS224J-S3

Lists

HDD

IO Card

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IO Card AVL

This list is compiled based on the compatibility between the host IO cards and the JBOD.

IO Card	Vendor	Name	Model	Chipset	Host Bus	Cle Lan	Xfer Rate	Int. Port	Ext. Port	Connector	Form Factor
SAS Card	Broadcom	MegaRAID	SAS 9286-8e	SAS2208	PCIe Gen3	x8	6Gb/s	0	8	SFF-8088	LP
		HBA	SAS 9207-8e	SAS2308	PCIe Gen3	x8	6Gb/s	0	8	SFF-8087	LP
		HBA	SAS 9207-4i4e	SAS2308	PCIe Gen3	x8	6Gb/s	4	4	SFF-8087/88	LP
		HBA	SAS 9305-24i	SAS3224 IOC	PCIe Gen3	x8	12Gb/s	24	0	SFF-8644	LP
		HBA	SAS 9305-16e	SAS3224 IOC	PCIe Gen3	x8	12Gb/s	0	16	SFF-8644	LP
		HBA	SAS 9300-8e	SAS3008 IOC	PCIe Gen3	x8	12Gb/s	0	8	SFF-8644	LP
		HBA	SAS 9300-16e	SAS3008 IOC	PCIe Gen3	x8	12Gb/s	0	16	SFF-8644	LP
		HBA	SAS 9300-4i4e	SAS3008 IOC	PCIe Gen3	x8	12Gb/s	4	4	SFF-8643/44	LP
		MegaRAID	SAS 9380-8i8e	SAS3108 ROC	PCIe Gen3	x8	12Gb/s	8	8	SFF-8643/44	LP
		MegaRAID	SAS 9380-8e	SAS3108 ROC	PCIe Gen4	x8	12Gb/s	0	8	SFF-8644	LP



SAS HDD AVL

This list is compiled based on the compatibility between hard drives and expander. Premio's backplane is used as a passive medium between those components. Only drives with 2.5" form factor are supported by the enclosures.

Vendor	Model	Type	Gen	FW	Capacity	Size	Cache	RPM
WD	WD9001BKHG	SAS	6Gb/s	SR03	900GB	2.5"	32MB	10K RPM
	WD6001BKHG	SAS	6Gb/s	SR03	600GB	2.5"	32MB	10K RPM
	WD4501BKHG	SAS	6Gb/s	SR03	450GB	2.5"	32MB	10K RPM
	WD3001BKHG	SAS	6Gb/s	SR03	300GB	2.5"	32MB	10K RPM
	WD9001BKHG	SAS	6Gb/s	RG00	146GB	2.5"	32MB	10K RPM
	WD3000BKFG	SAS	6Gb/s	RG00	300GB	2.5"	16MB	10K RPM
	WD6000BKHG	SAS	6Gb/s	VG03	600GB	2.5"	32MB	10K RPM
	WD4500BKHG	SAS	6Gb/s	VG03	450GB	2.5"	32MB	10K RPM
HGST	HUC101212CSS600	SAS	6Gb/s	A35A	1.2TB	2.5"	64MB	10K RPM
	HUC109090CSS600	SAS	6Gb/s	A1D0	900GB	2.5"	64MB	10K RPM
	HUC109060CSS600	SAS	6Gb/s	A1D0	600GB	2.5"	64MB	10K RPM
	HUC109045CSS600	SAS	6Gb/s	A1D0	450GB	2.5"	64MB	10K RPM
	HUC109030CSS600	SAS	6Gb/s	A1D0	300GB	2.5"	64MB	10K RPM
	HUC106060CSS600	SAS	6Gb/s	A202	600GB	2.5"	64MB	10K RPM
	HUC106045CSS600	SAS	6Gb/s	A202/A360	450GB	2.5"	64MB	10K RPM
	HUC106030CSS600	SAS	6Gb/s	A202	300GB	2.5"	64MB	10K RPM
	HUC106060CSS600	SAS	6Gb/s	A150	600GB	2.5"	64MB	10K RPM
	HUC151473CSS600	SAS	6Gb/s	A5D0	73GB	2.5"	64MB	15K RPM
	HUC151414CSS600	SAS	6Gb/s	A5D0	147GB	2.5"	64MB	15K RPM
	HUC151414CSS600	SAS	6Gb/s	A370	147GB	2.5"	64MB	15K RPM
	HUC103014CSS600	SAS	6Gb/s	A5D0	147G	2.5"	64MB	10K RPM
	HUC103030CSS600	SAS	6Gb/s	A5D0	300GB	2.5"	64MB	10K RPM
	HUC151414CSS600	SAS	6Gb/s	A5D0	147GB	2.5"	64MB	15K RPM
	HUC151473CSS600	SAS	6Gb/s	A330	73GB	2.5"	64MB	15K RPM
	HUC103030CSS600	SAS	6Gb/s	A120	300GB	2.5"	64MB	10K RPM
	HUC103014CSS600	SAS	6Gb/s	A120	147GB	2.5"	64MB	10K RPM
HUSMR1625ASS204	SAS	6Gb/s		250GB	2.5" 15mm			
Seagate	ST600MP0034 (512e)	SAS	6Gb/s	E001	600GB	2.5"		15K RPM
	ST450MP0034 (512e)	SAS	6Gb/s	E001	450GB	2.5"		15K RPM
	ST300MP0034 (512e)	SAS	6Gb/s	E001	300GB	2.5"		15K RPM
	ST300MX0004 (SSHDD, 512e)	SAS	6Gb/s	E001	300GB	2.5"		15K RPM
	ST450MX0004 (SSHDD, 512e)	SAS	6Gb/s	E001	450GB	2.5"		15K RPM
	ST600MX0004 (SSHDD, 512e)	SAS	6Gb/s	E001	600GB	2.5"		15K RPM
	ST300MP0004	SAS	6Gb/s	N001	300GB	2.5"		15K RPM
	ST450MP0004	SAS	6Gb/s	N001	450GB	2.5"		15K RPM
	ST300MP0014	SAS	6Gb/s	TN01	300GB	2.5"		15K RPM
	ST450MP0014	SAS	6Gb/s	TN01	450GB	2.5"		15K RPM

Vendor	Model	Type	Gen	FW	Capacity	Size	Cache	RPM
	ST300MP0044 (512e)	SAS	6Gb/s	TE01	300GB	2.5"		15K RPM
	ST450MP0044 (512e)	SAS	6Gb/s	TE01	450GB	2.5"		15K RPM
	ST600MP0044 (512e)	SAS	6Gb/s	TE01	600GB	2.5"		15K RPM
	ST1200MM0017	SAS	6Gb/s	1	1.2TB	2.5"		10K RPM
	ST1200MM0017	SAS	6Gb/s	1	1.2TB	2.5"		10K RPM
	ST900MM0026	SAS	6Gb/s	1	900GB	2.5"		10K RPM
	ST600MM0026	SAS	6Gb/s	1	600GB	2.5"		10K RPM
	ST450MM0026	SAS	6Gb/s	1	450GB	2.5"		10K RPM
	ST300MM0026	SAS	6Gb/s	1	300GB	2.5"		10K RPM
	ST900MM0006	SAS	6Gb/s	A001	900GB	2.5"		10K RPM
	ST600MM0006	SAS	6Gb/s	A001	600GB	2.5"		10K RPM
	ST450MM0006	SAS	6Gb/s	A001	450GB	2.5"		10K RPM
	ST300MM0006	SAS	6Gb/s	A001	300GB	2.5"		10K RPM
	ST91000640SS	SAS	6Gb/s	1	1TB	2.5"		7200 RPM
	ST9500620SS	SAS	6Gb/s	2	500GB	2.5"		7200 RPM
	ST91000640NS	SAS	6Gb/s	SN01	1TB	2.5"		7200 RPM
	ST9500620NS	SAS	6Gb/s	SN01	500GB	2.5"		7200 RPM
	ST9250610NS	SAS	6Gb/s	SN01	250GB	2.5"		7200 RPM
	ST9600204SS	SAS	6Gb/s	4	600GB	2.5"		10K RPM
	ST9450404SS	SAS	6Gb/s	4	450GB	2.5"		10K RPM
	ST9500431SS	SAS	6Gb/s	DSF0	500GB	2.5"		7200 RPM
	ST9900805SS	SAS	6Gb/s	4	900GB	2.5"		10K RPM
	ST9600205SS	SAS	6Gb/s	4	600GB	2.5"		10K RPM
	ST9450405SS	SAS	6Gb/s	4	400GB	2.5"		10K RPM
	ST9300605SS	SAS	6Gb/s	4	300GB	2.5"		10K RPM
	ST973452SS	SAS	6Gb/s	5	73GB	2.5"		15K RPM
	ST9146852SS	SAS	6Gb/s	5	146GB	2.5"		15K RPM
	ST9300603SS	SAS	6Gb/s	6	300GB	2.5"		10K RPM
	ST9146803SS	SAS	6Gb/s	6	146GB	2.5"		10K RPM
	ST9500430SS	SAS	6Gb/s	3	500GB	2.5"		7200 RPM
Toshiba	AL13SEB300	SAS	6Gb/s	101	300GB	2.5"		10K RPM
	AL13SEB450	SAS	6Gb/s	101	450GB	2.5"		10K RPM
	AL13SEB600	SAS	6Gb/s	101	600GB	2.5"		10K RPM
	AL13SEB900	SAS	6Gb/s	101	900GB	2.5"		10K RPM
	MBF2600RE	SAS	6Gb/s	101	600GB	2.5"		10K RPM
	MBF2450RE	SAS	6Gb/s	101	450GB	2.5"		10K RPM
	MBF2300RE	SAS	6Gb/s	101	300GB	2.5"		10K RPM
	MBF2600RC	SAS	6Gb/s	109	600GB	2.5"		10K RPM
	MBF2450RC	SAS	6Gb/s	109	450GB	2.5"		10K RPM
	MBF2300RC	SAS	6Gb/s	109	300GB	2.5"		10K RPM
	MK3001GRRB	SAS	6Gb/s	102	300GB	2.5"		15K RPM
	MK1401GRRB	SAS	6Gb/s	102	145GB	2.5"		15K RPM
Fujitsu	MBE2073RC	SAS	6Gb/s	103	73GB	2.5"		15K RPM
	MBD2300RC	SAS	6Gb/s	102	300GB	2.5"		10K RPM
	MBE2147RC	SAS	6Gb/s	103	147GB	2.5"		15K RPM
	MBD2147RC	SAS	6Gb/s	102	147GB	2.5"		10K RPM

Vendor	Model	Type	Gen	FW	Capacity	Size	Cache	RPM
Micron	MTFDJAL3T8MBU	SAS	12Gb/s		3840GB	2.5" 15mm		



SSD AVL

Below is the list of SATA SSD supported by the JBOD

Vendor	Series	Model	Interface	Capacity	Flash Tech	Form Factor
ADATA	Premiere Pro	ASP600S3-64GM	SATA	64GB	MLC	2.5"
ADATA	SX1000	SX1000L	SATA III		MLC	2.5"
ADATA	SX900	ASX900S7	SATA III	128GB	MLC	2.5" x 7mm
ADATA		ISSS312-032GM	SATA III	32GB	MLC	2.5"
ADATA		IS32-064GM	SATA III	64GB	MLC	2.5"
Intel	520 Series	SSDSC2CW180A3	SATA	180GB	MLC	2.5"
Intel	520 Series	SSDSC2BW240A3	SATA	240GB	MLC	2.5"
Intel	320 Series		SATA	40GB	MLC	2.5" x 7mm
RunCore	Pro V	RCP-V-T2560-MC	SATA III	60GB	MLC	2.5"
Samsung	830 Series	MZ-7PC064	SATA-2	64GB	MLC	2.5" x 7mm
Samsung	850 PRO	MZ-7KE2T0	SATA III	2TB	MLC	2.5" x 7mm
SanDisk	X110	SD6SB1M-128G-1022I		128GB	MLC	2.5"
Seagate	1200	ST200FM0053	SATA III	200GB	MLC	2.5" x 7mm
Micron	5100 PRO	MTFDDAK240TCB	SATA 6Gb/s	240GB	TLC	2.5" x 7mm
Micron	5100 MAX	MTFDDAK240TCC	SATA 6Gb/s	240GB	TLC	2.5" x 7mm
Micron	5100 ECO	MTFDDAK480TBY	SATA 6Gb/s	480GB	TLC	2.5" x 7mm
Micron	5100 PRO	MTFDDAK480TCB	SATA 6Gb/s	480GB	TLC	2.5" x 7mm
Micron	5100 MAX	MTFDDAK480TCC	SATA 6Gb/s	480GB	TLC	2.5" x 7mm
Micron	5100 ECO	MTFDDAK960TBY	SATA 6Gb/s	1TB	TLC	2.5" x 7mm
Micron	5100 PRO	MTFDDAK960TCB	SATA 6Gb/s	1TB	TLC	2.5" x 7mm
Micron	5100 MAX	MTFDDAK960TCC	SATA 6Gb/s	1TB	TLC	2.5" x 7mm
Micron	5100 ECO	MTFDDAK1T9TBY	SATA 6Gb/s	2TB	TLC	2.5" x 7mm
Micron	5100 PRO	MTFDDAK1T9TCB	SATA 6Gb/s	2TB	TLC	2.5" x 7mm
Micron	5100 MAX	MTFDDAK1T9TCC	SATA 6Gb/s	2TB	TLC	2.5" x 7mm
Micron	5100 ECO	MTFDDAK3T8TBY	SATA 6Gb/s	4TB	TLC	2.5" x 7mm

Vendor	Series	Model	Interface	Capacity	Flash Tech	Form Factor
Micron	5100 PRO	MTFDDAK3T8TCB	SATA 6Gb/s	4TB	TLC	2.5" x 7mm
Micron	5100 ECO	MTFDDAK7T6TBY	SATA 6Gb/s	8TB	TLC	2.5" x 7mm
Samsung	SM863a	MZ7KM240HMHQ	SATA 6Gb/s	240GB		2.5" x 7mm
Samsung	SM863a	MZ7KM480HMHQ	SATA 6Gb/s	480GB		2.5" x 7mm
Samsung	SM863a	MZ7KM960HMJP	SATA 6Gb/s	960GB		2.5" x 7mm
Samsung	SM863a	MZ7KM1T9HMJP	SATA 6Gb/s	1920GB		2.5" x 7mm
Samsung	PM863a	MZ7KLM240HMHQ	SATA 6Gb/s	240GB		2.5" x 7mm
Samsung	PM863a	MZ7KLM480HMHQ	SATA 6Gb/s	480GB		2.5" x 7mm
Samsung	PM863a	MZ7KLM960HMJP	SATA 6Gb/s	960GB		2.5" x 7mm
Samsung	PM863a	MZ7KLM1T9HMJP	SATA 6Gb/s	1920GB		2.5" x 7mm
Samsung	PM863a	MZ7KLM3T8HMPL	SATA 6Gb/s	3840GB		2.5" x 7mm
Intel	DC S3500		SATA 6Gb/s	80GB - 1.6TB	MLC	2.5" x 7mm
Intel	DC S3700		SATA 6Gb/s	100GB - 800GB	MLC	2.5" x 7mm
Crucial	MX100	CT128MX100SSD1	SATA 6Gb/s	128GB	MLC	2.5" x 7mm
Toshiba	HG5d	THNSNHxxxGCST	SATA 6Gb/s	60GB - 512GB	MLC	2.5" x 7mm
Toshiba	HG5d	THNSNHxxxGBST	SATA 6Gb/s	60GB - 512GB	MLC	2.5" x 9.5mm