



## FlacheSAN2V-U5 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 enclosure. The list is curated from Premio 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

FlacheSAN2V-U5

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## CPU AVL

Socket	Family	Number	Core	Frequency	Cache	Power
Socket P0	Platinum	8180	28	2.50GHz	38.5M	205W
LGA3647	Platinum	8176	28	2.10GHz	38.5M	165W
	Platinum	8170	26	2.10GHz	35.75M	165W
	Platinum	8168	24	2.70GHz	33M	205W
	Platinum	8164	26	2.00GHz	35.75M	150W
	Platinum	8160	24	2.10GHz	33M	150W
	Platinum	8160T	24	2.10GHz	33M	150W
	Gold	6142	16	2.60GHz	22M	150W
	Gold	6150	18	2.70GHz	24.75M	165W
	Gold	6154	18	3.00GHz	24.75M	200W
	Gold	6152	22	2.10GHz	30.25M	140W
	Gold	6140	18	2.30GHz	24.75M	140W
	Gold	6148	20	2.40GHz	27.5M	150W
	Gold	6126	12	2.60GHz	19.25M	125W
	Gold	6130	16	2.10GHz	22M	125W
	Gold	6126T	12	2.60GHz	19.25M	125W
	Gold	6130T	16	2.10GHz	22M	125W
	Gold	6138T	20	2.00GHz	27.5M	125W
	Gold	6138	20	2.00GHz	27.5M	125W
	Gold	6134	8	3.20GHz	24.75M	130W
	Gold	6132	14	2.60GHz	19.25M	140W
	Gold	6128	6	3.40GHz	19.25M	115W
	Gold	5122	4	3.60GHz	16.5M	105W
	Gold	5118	12	2.30GHz	16.5M	105W
	Gold	5115	10	2.40GHz	13.75M	85W
	Gold	5120	14	2.20GHz	19.25M	105W
	Gold	5120T	14	2.20GHz	19.25M	105W
	Silver	4109T	8	2.00GHz	11M	70W
	Silver	4112	4	2.60GHz	8.25M	85W
	Silver	4114	10	2.20GHz	13.75M	85W
	Silver	4108	8	1.80GHz	11M	85W
	Silver	4110	8	2.10GHz	11M	85W
	Silver	4116	12	2.10GHz	16.5M	85W
	Bronze	3106	8	, 1.70GHz	11M	85W
	Bronze	3104	6	1.70GHz	8.25M	85W



## Memory AVL

This list is compiled based on the compatibility between memory module and motherboard.

SMC	Manufacturer	Manuf. Part #	Component	DRAM Component Part #	# of Ranks	HS Compliant	Profile
MEM-DR416L-HL03-ER26	Hynix	HMA82GR7AFR8N-VK	Hynix	-	2	RoHS	Low Profile
MEM-DR416L-SL02-ER26	Samsung	M393A2K40BB2-CTD	Samsung	K4A8G045WB-BCTD	1	RoHS	Low Profile
MEM-DR432L-HL01-ER26	Hynix	HMA84GR7AFR4N-VK	Hynix	H5AN8G4NAFR	2	RoHS	Low Profile
MEM-DR432L-CL01-ER26	Micron	MTA36ASF4G72PZ-2G6D1	Micron	-	2	RoHS	Low Profile
MEM-DR432L-SL02-ER26	Samsung	M393A4K40BB2-CTD	Samsung	K4A8G045WB-BCTD	2	RoHS	Low Profile



## IO Card AVL

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

IO Card	Vendor	Name	Model	Chipset	Host Bus	Cle Lan	Xfer Rate	Int. Port	Ext. Port	Connector	Form Factor
Network Card			S40G-i2Q		PCI-E 3.0	x8	40GbE		2	QSFP	LP
			SGP-i2		PCI-E 2.0	x4	1 GbE		2	RJ45	LP
			SGP-i4		PCI-E 2.0	x4	1 GbE		4	RJ45	LP
			STG-b4S		PCI-E 3.0	x8	10 GbE		4	SFP+	LP
			STG-i2T		PCI-E 2.0	x8	10 GbE		2	RJ45	LP
			STG-i4S		PCI-E 3.0	x8	10 GbE		4	SFP+	LP
			STGN-i1S		PCI-E 2.0	x8	10 GbE		1	SFP+	LP
			STGN-i2S		PCI-E 2.0	x8	10 GbE		2	SFP+	LP
	Mellanox	ConnectX-3	CX354A		PCIe Gen3	x8	56Gb/s IB or 40GbE		2	QSFP	LP
			CX353A		PCIe Gen3	x8	56Gb/s IB or 40GbE		1	QSFP	LP
		ConnectX-4	CX456A		PCIe Gen3	x8	100Gb/s IB or GbE				LP
			CX415A		PCIe Gen3	x8	100Gb/s IB or GbE				LP
			CX416A		PCIe Gen3	x8	100Gb/s IB or GbE				LP
	Intel		X520	82599	PCIe Gen3	x8	10GbE		2	SFP+	LP
			XL710		PCIe Gen3	x8	40GbE		2	SFP+	LP
			X710-DA4		PCIe Gen3	x8			4	SFP+	LP
	Qlogic		QLE2563		PCIe Gen3	x8					LP
			QLE2672		PCIe Gen3	x8					LP
			QLE3242		PCIe Gen3	x8			2	RJ-45	LP
			QLE2562		PCI-E 2.0	x8	8 Gb/s FC		2 SFP+		LP
	HotLava		HL-100G2Q-XL	XL710	PCIe Gen3	x8	40GbE		1	QSFP	LP
	Atto		FC-322E				32Gb FC				LP
SAS Card	Avago	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

IO Card	Vendor	Name	Model	Chipset	Host Bus	Cle Lan	Xfer Rate	Int. Port	Ext. Port	Connector	Form Factor
		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
	Adaptec		ASR-71605								LP
	ATTO		H12F0				12Gb/s		16		LP
Storage Car	Samsung		SM1715		PCIe Gen3	x8	PCIe NVMe				LP
	Kingston		EP1000		PCIe Gen3	x8	PCIe NVMe				LP



## SSD AVL

Below is the list of SATA SSD supported by the enclosure. Only SSDs with 7mm thickness are supported by the enclosure.

Vendor	Series	Model	Interface	Capacity	Flash Tech	Form Factor
ADATA	Premiere Pro	ASP600S3-64GM	SATA	64GB	MLC	2.5" x 7mm
ADATA	SX1000	SX1000L	SATA III		MLC	2.5" 7mm
ADATA	SX900	ASX900S7	SATA III	128GB	MLC	2.5" x 7mm
ADATA		ISSS312-032GM	SATA III	32GB	MLC	2.5" x 7mm
ADATA		IS32-064GM	SATA III	64GB	MLC	2.5" x 7mm
Intel	520 Series	SSDSC2CW180A3	SATA	180GB	MLC	2.5" x 7mm
Intel	520 Series	SSDSC2BW240A3	SATA	240GB	MLC	2.5" x 7mm
Intel	320 Series		SATA	40GB	MLC	2.5" x 7mm
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
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
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

Vendor	Series	Model	Interface	Capacity	Flash Tech	Form Factor
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	MZ7KLM3T8HMLP	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



## OS Drive AVL

Manufacturer	Manufacturer Part #	Interface	Capacity	Buffer	Transfer Rate	MTBF/MTTF	rpm	Size
Seagate	ST2000NX0253	SATA-3	2000GB	128MB	6.0Gb/sec	2.0M	7200	2.5"
Seagate	ST2000NX0403	SATA-3	2000GB	128MB	6.0Gb/sec	2.0M	7200	2.5"
Seagate	ST1000NX0313	SATA-3	1000GB	128MB	6.0Gb/sec	2.0M	7200	2.5"
Seagate	ST1000NX0423	SATA-3	1000GB	128MB	6.0Gb/sec	2.0M	7200	2.5"
Intel	SSDSC2BB960G7	SATA-3	960GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2BB800G7	SATA-3	800GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2BB480G7	SATA-3	480GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2BB240G7	SATA-3	240GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2BB016T7	SATA-3	1600GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2BB150G7	SATA-3	150GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2BB012T7	SATA-3	1200GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Intel	SSDSC2KB960G7	SATA-3	960GB	0MB	0.0Gb/sec	2000000	SSD	SSD
Intel	SSDSC2KB480G7	SATA-3	480GB	0MB	0.0Gb/sec	2000000	SSD	SSD
Intel	SSDSC2KB038T7	SATA-3	3840GB	0MB	0.0Gb/sec	2000000	SSD	SSD
Intel	SSDSC2KB240G7	SATA-3	240GB	0MB	0.0Gb/sec	2000000	SSD	SSD
Intel	SSDSC2KB019T7	SATA-3	1920GB	0MB	0.0Gb/sec	2000000	SSD	SSD
Micron	MTFDDAK960TBY-1AR16ABYY	SATA-3	960GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Micron	MTFDDAK960TBY-1AR1ZABYY	SATA-3	960GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Micron	MTFDDAK960TCB-1AR16ABYY	SATA-3	960GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Micron	MTFDDAK960TCB-1AR1ZABYY	SATA-3	960GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Micron	MTFDDAK960TCC-1AR1ZABYY	SATA-3	960GB	0MB	6.0Gb/sec	2000000	SSD	2.5"
Micron	MTFDDAK7T6TBY-1AR16ABYY	SATA-3	7600GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK7T6TBY-1AR1ZABYY	SATA-3	7600GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK480TBY-1AR16ABYY	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK480TBY-1AR1ZABYY	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK480TCB-1AR16ABYY	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK480TCB-1AR1ZABYY	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK480TCC-1AR1ZABYY	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"



Manufacturer	Manufacturer Part #	Interface	Capacity	Buffer	Transfer Rate	MTBF/MTTF	rpm	Size
Micron	MTFDDAK3T8TBY-1AR16ABYY	SATA-3	3800GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK3T8TBY-1AR1ZABYY	SATA-3	3800GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK3T8TCB-1AR1ZABYY	SATA-3	3800GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK240TCB-1AR16ABYY	SATA-3	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK240TCB-1AR1ZABYY	SATA-3	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK240TCC-1AR1ZABYY	SATA-3	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK1T9TBY-1AR16ABYY	SATA-3	1920GB	0MB	6.0Gb/sec	2,000.00	SSD	2.5"
Micron	MTFDDAK1T9TBY-1AR1ZABYY	SATA-3	1920GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK1T9TCB-1AR16ABYY	SATA-3	1920GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK1T9TCB-1AR1ZABYY	SATA-3	1920GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Micron	MTFDDAK1T9TCC-1AR1ZABYY	SATA-3	1920GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM960HAHP-00005	SATA-3	960GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM960HMJP-00005	SATA-3	960GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM960HCHP-00005	SATA-3	960GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM480HAHP-00005	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM480HMHQ-00005	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM480HCHP-00005	SATA-3	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM3T8HCJM-00005	SATA-3	3800GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM240HAGR-00005	SATA-3	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM240HMHQ-00005	SATA-3	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM240HCGR-00005	SATA-3	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM1T9HAJM-00005	SATA-3	1900GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM1T9HMJP-00005	SATA-3	1900GB	0MB	6.0Gb/sec	200000	SSD	2.5"
Samsung	MZ7LM1T9HCJM-00005	SATA-3	1900GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7KM120HAFD-00005	SATA-3	120GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM120HCFD-00005	SATA-3	120GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM960HMJP-00005	SATA-2	960GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM480HMHQ-00005	SATA-2	480GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM3T8HMLP-00005	SATA-2	3800GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM240HMHQ-00005	SATA-2	240GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Samsung	MZ7LM1T9HMJP-00005	SATA-2	1900GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
SanDisk	SDLF1CRR-019T-1HA2	SATA-3	1920GB	0MB	6.0Gb/sec	2,000,000	SSD	2.5"
Seagate	XF1230-1A0960	SATA-3	960GB	0MB	6.0Gb/sec	2.0M	SSD	2.5"

Manufacturer	Manufacturer Part #	Interface	Capacity	Buffer	Transfer Rate	MTBF/MTTF	rpm	Size
Seagate	XF1230-1A0480	SATA-3	480GB	0MB	6.0Gb/sec	2.0M	SSD	2.5"
Seagate	XF1230-1A0240	SATA-3	240GB	0MB	6.0Gb/sec	2.0M	SSD	2.5"
Seagate	XF1230-1A1920	SATA-3	1920GB	0MB	6.0Gb/sec	2.0M	SSD	2.5"
Toshiba	THNSNJ400PCSZ	SATA-3	400GB	0MB	6.0Gb/sec		SSD	2.5"
Toshiba	THNSNJ800PCSZ	SATA-3	800GB	0MB	6.0Gb/sec		SSD	2.5"
Toshiba	THNSNJ400PCSZ	SATA-3	400GB	0MB	6.0Gb/sec		SSD	2.5"
Toshiba	THNSNJ200PCSZ	SATA-3	200GB	0MB	6.0Gb/sec		SSD	2.5"
Samsung	MZ1LV480HCHP	PCIe 3.0	480GB					M.3
Samsung	MZ1LV960HCJH	PCIe 3.0	960GB					M.3