

Wiwynn SV300G3 Series AVL

(1U 19" Multi-purpose Server)

Please check the Wiwynn Approved Vendor List (AVL) to ensure compatibility when selecting components for full system integration.

The listed components have passed extensive compatibility tests using Wiwynn hardware. Wiwynn does not guarantee the quality and reliability of third-party components. This AVL is for reference only and not intended for replacement of the full Wiwynn hardware certification program.



※BMC:V2.50/BIOS:STTG3P04

CPU

Vendor	Model	Vendor P/N	Core	Watt	Frequency	Remark
Intel	8176M	CD8067303133605	28C	165W	2.1GHz	※BMC:V0.40/BIOS:STTG3E03
Intel	6138	CD8067303406100	20C	125W	2.0GHz	※BMC:V2.40/BIOS:STTG3P02
Intel	6130	CD8067303409000	16C	125W	2.1GHz	※BMC:V0.40/BIOS:STTG3E03
Intel	4116	CD8067303567200	12C	85W	2.1GHz	※BMC:V1.70/BIOS:STTG3D05
Intel	6262V	CD8069504285004	24C	135W	1.9GHz	※BMC:V2.50/BIOS:STTG3P04
Intel	6230	CD8069504193701	20C	125W	2.1GHz	※BMC:V2.50/BIOS:STTG3P04
Intel	5218	CD8069504193301	16C	125W	2.3GHz	CASCADE LAKE XEON(R) GOLD

Wiwynn SV300G3 Series AVL

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Memory

Vendor	Model	SDRAM Type	Size	Frequency	Remark
Intel	NMA1XBD512GQSE	DDR4 RDIMM	512GB	2666MHz	AEP RDIMM
Micron	MTA18ASF2G72PDZ-2G6D1	DDR4 RDIMM	16GB	2666MHz	※BMC:V1.70/BIOS:STTG3D05 (2020 Q2 EOL)
Samsung	M393A2K43BB1-CRC00	DDR4 RDIMM	16GB	2400MHz	EOL(Feb, 2019)
Samsung	M393A8K40B22-CWD7Q	DDR4 RDIMM	64GB	2666MHz	※BMC:V2.40/BIOS:STTG3P01
SK Hynix	HMA84GR7CJR4N-VKTF	DDR4 RDIMM	32GB	2666MHz	※BMC:V2.20/BIOS:STTG3D07.01
SK Hynix	HMA84GR7CJR4N-VKT3	DDR4 RDIMM	32GB	2666MHz	※BMC:V2.40/BIOS:STTG3P02
SK Hynix	HMA84GR7CJR4N-VKTN	DDR4 RDIMM	32GB	2666MHz	※BMC:V2.40/BIOS:STTG3P02
Micron	MTA36ASF4G72PZ-2G3B1K	DDR4 RDIMM	32GB	2400MHz	EOL(Jun, 2019)
Micron	MTA36ASF4G72PZ-2G6BYES	DDR4 RDIMM	32GB	2666MHz	EOL(Dec, 2018)
SK Hynix	HMA84GR7MFR4N-VKTF	DDR4 RDIMM	32GB	2666MHz	EOL(Dec, 2018)
SK Hynix	HMA84GR7MFR4N-VKT3	DDR4 RDIMM	32GB	2666MHz	EOL(Dec, 2018)
Samsung	M393A8G40MB2-CVF	DDR4 RDIMM	64GB	2933MHz	※BMC: 3.10/ BIOS: STTG3P10
Samsung	M393A2K40CB2-CVF	DDR4 RDIMM	16GB	2933MHz	※BMC: 3.10/ BIOS: STTG3P10

Wiwynn SV300G3 Series AVL

※BMC:V2.50/BIOS:STTG3P04

HDD

Vendor	Model	Interface	Bandwidth	Form Factor	Capacity	RPM	Remark
Toshiba	AL14SEB120N	SAS	12Gb/s	2.5"	1.2TB	10K	※BMC:V0.40/BIOS:STTG3E03
Seagate	Thunderbolt/ ST1200MM0088	SAS	12Gb/s	2.5"	1.2TB	10K	EOL(Jun, 2018)

Wiwynn SV300G3 Series AVL

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SSD

Vendor	Model	Interface	Bandwidth	Form Factor	Capacity	NAND Type	Remark
Intel	S4510/ SSDSC2KB240G801	SATA	6Gb/s	2.5"	240GB	MLC	※BMC:V2.40/BIOS:STTG3P02
Intel	S4510/ SSDSC2KB480G801	SATA	6Gb/s	2.5"	480GB	MLC	※BMC:V2.40/BIOS:STTG3P02
Intel	S4510/ SSDSC2KB960G801	SATA	6Gb/s	2.5"	960GB	MLC	※BMC:V2.40/BIOS:STTG3P02
Intel	P4510/ SSDPE2KX040T801	NVME	PCIe Gen3 x 4	U.2	4TB	TLC	※BMC:V2.50/BIOS:STTG3P04
Intel	P4800X/ SSDPED1K375GA	NVME	PCIe Gen3 x 4	HHHL	375GB		※BMC:V2.20/BIOS:STTG3D07.01 Intel Optane
Intel	P4800X/ SSDPED1K750GA	NVME	PCIe Gen3 x 4	HHHL	750GB		※BMC:V2.20/BIOS:STTG3D07.01 Intel Optane
Seagate	Nytro 1351/ XA240LE10003	SATA	6Gb/s	2.5"	240GB	TLC	※BMC:V2.40/BIOS:STTG3P02
Seagate	Nytro 1351/ XA480LE10063	SATA	6Gb/s	2.5"	480GB	TLC	※BMC:V2.40/BIOS:STTG3P02
Seagate	Nytro 1351/ XA960LE10063	SATA	6Gb/s	2.5"	960GB	TLC	※BMC:V2.40/BIOS:STTG3P02
Seagate	Nytro 1351/ XA1920LE10063	SATA	6Gb/s	2.5"	1.92TB	TLC	※BMC:V2.40/BIOS:STTG3P02
Intel	S3510/ SSDSC2BB012T6FC	SATA	6Gb/s	2.5"	1.2TB	MLC	EOL(Jun, 2017)
Intel	S3520/ SSDSC2BB480G701	SATA	6Gb/s	2.5"	480GB	MLC	EOL(May, 2018)
Intel	S3520/ SSDSC2BB016T701	SATA	6Gb/s	2.5"	1.6TB	MLC	EOL(May, 2018)
Intel	S4500/ SSDSC2KB240G701	SATA	6Gb/s	2.5"	240GB	MLC	EOL(Dec, 2018)

Wiwynn SV300G3 Series AVL

Intel	S4500/ SSDSC2KB480G701	SATA	6Gb/s	2.5"	480GB	MLC	EOL(Dec, 2018)
Intel	600P/ SSDPEKKW256G7	NVME	PCIe Gen3 x 4	M.2(2280)	256GB	TLC	EOL(Dec, 2018)
Intel	P3100/ SSDPEKKA256G701	NVME	PCIe Gen3 x 4	M.2(2280)	256GB	TLC	EOL(Feb, 2019)
Seagate	Fargo/ XF1230-1A0240	SATA	6Gb/s	2.5"	240GB	MLC	EOL(Aug, 2018)
Seagate	Fargo/ XF1230-1A0960	SATA	6Gb/s	2.5"	960GB	MLC	EOL(Aug, 2018)
Seagate	Nytro/ XP480LE30002	NVME	PCIe Gen3 x 4	M.2(22110)	480GB	cMLC	EOL(Feb, 2019)
Toshiba	Hawk M4Rz/ THNSN8960PCSE	SATA	6Gb/s	2.5"	960GB	MLC	EOL(Feb, 2019)
Toshiba	Hawk M4Rz/ THNSN81Q92CSE	SATA	6Gb/s	2.5"	1.92TB	MLC	EOL(Feb, 2019)
Samsung	PM1725B/ MZWLL6T4HMLA-00005	NVME	PCIe Gen3 x 4	2.5"	6.4TB		※BMC: 3.10/ BIOS: STTG3P10

Wiwynn SV300G3 Series AVL

※BMC:V2.50/BIOS:STTG3P04

LAN & NIC Card

Vendor	Model	Interface	Speed	Form Factor	Type	Ports	Remark
BRCOM	M225p/ BCM957414M4142C	PCIe gen3	25Gbps	OCP Mezz	SFP+	2 ports	※BMC:V1.90/BIOS:STTG3D06
BRCOM	P225p/ BCM957414A4142CC	PCIe gen3	25Gbps	HHHL	SFP+	2 ports	※BMC:V1.90/BIOS:STTG3D06
Intel	I350T2G2P20	PCIe gen2	1Gbps	HHHL	RJ45	2 ports	※BMC:V1.70/BIOS:STTG3D05
Intel	I350T4G2P20	PCIe gen2	1Gbps	HHHL	RJ45	4 ports	※BMC:V1.90/BIOS:STTG3D06
Intel	X520DA2OCPG2P20	PCIe gen2	10Gbps	OCP Mezz	SFP+	2 ports	※BMC:V0.40/BIOS:STTG3E03
Intel	E10G42BTDAG1P5	PCIe gen2	10Gbps	HHHL	SFP+	2 ports	※BMC:V0.40/BIOS:STTG3E03
Intel	XXV710DA1OCPG1	PCIe gen3 x 8	25Gbps	OCP Mezz	SFP+	1 ports	※BMC:V0.40/BIOS:STTG3E03
Intel	XXV710DA2G1P5	PCIe gen3 x 8	25Gbps	HHHL	SFP+	2 ports	※BMC:V1.90/BIOS:STTG3D06
Mellanox	MCX4421A-ACQN	PCIe gen3	25Gbps	OCP Mezz	SFP+	2 ports	※BMC:V0.40/BIOS:STTG3E03
Mellanox	MCX4121A-ACAT	PCIe gen3	25Gbps	HHHL	SFP+	2 ports	※BMC:V2.20/BIOS:STTG3D07.01
Mellanox	MCX555A-ECAT	PCIe gen3 x 16	100Gbps	HHHL	QSFP28	1 ports	※BMC:V2.40/BIOS:STTG3P01
Intel	X550-AT2	PCIe gen2	10Gbps	OCP Mezz	RJ45	2 ports	※BMC:V2.40/BIOS:STTG3P01 EOL (Q4, 2019)
Mellanox	MCX342A-XCQN	PCIe gen3	10Gbps	OCP Mezz	SFP+	2 ports	EOL(May, 2019)
Mellanox	MCX312B-XCCT	PCIe gen3	10Gbps	HHHL	SFP+	2 ports	EOL(May, 2019)

Wiwynn SV300G3 Series AVL

Mellanox	MCX4421A-ACQN	PCIe gen3	25Gbps	OCP Mezz	SFP28	2 ports	※BMC: 3.10/ BIOS: STTG3P10
Mellanox	MCX4121A-ACAT	PCIe gen3	25Gbps	HHHL	SFP28	2 ports	※BMC: 3.10/ BIOS: STTG3P10

Wiwynn SV300G3 Series AVL

※BMC:V2.50/BIOS:STTG3P04

RAID & HBA Card

Vendor	Model	Interface	Bandwidth	Type	Internal Ports	External Ports	Remark
Broadcom	9380-4i4e	PCIe Gen3	SAS 12Gb/s	RAID	4 Port	4 Port	※BMC:V2.20/BIOS:STTG3D07.01
Broadcom	9300-8i	PCIe Gen3	SAS 12Gb/s	HBA	8 Port	N/A	※BMC:V2.20/BIOS:STTG3D07.01
Mironsemi	3152-8i	PCIe Gen3 x 8	SAS 12Gb/s	RAID	8 Port	N/A	※BMC:V2.20/BIOS:STTG3D07.01
Mironsemi	2100-8i	PCIe Gen3 x 8	SAS 12Gb/s	HBA	8 Port	N/A	※BMC:V2.20/BIOS:STTG3D07.01
Wiwynn	2308-8i	PCIe Gen2	SAS 6Gb/s	HBA	8 Port	N/A	※BMC:V2.40/BIOS:STTG3P01