

Wiwynn SV7220G3 Series AVL

(2U 21" 3 Multi-node Computing 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:TPC_P14/BIOS:WTPC_P3.12

CPU

Vendor	Model	Vendor P/N	Core	Watt	Frequency	Remark
Intel	8160	CD8067303405600	24C	150W	2.1GHz	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Intel	6152	CD8067303406000	22C	140W	2.1GHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Intel	6144	CD8067303843000	8C	150W	3.5GHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Intel	6139	CD8067303528000	18C	135W	1.8GHz	※BMC:TPC_D08/ BIOS:WTPC_D101
Intel	6138	CD8067303406100	20C	120W	2.0GHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Intel	6130	CD8067303409000	16C	125W	2.1GHz	※BIOS:TPC_P06/ BMC:WTPC_P204
Intel	5118	CD8067303536100	12C	105W	2.3GHz	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Intel	4116	CD8067303567200	12C	85W	2.1GHz	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Intel	4110	CD8067303561400	8C	85W	2.1GHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Intel	6230	CD8069504193701	20C	125W	2.1GHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Intel	6238	CD8069504283104	22C	140W	2.1GHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Intel	6240	CD8069504194001	18C	150W	2.6GHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Intel	6262V	CD8069504285004	24C	135W	1.9GHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12

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Memory

Vendor	Model	SDRAM Type	Size	Frequency	Remark
Micron	MTA18ASF2G72PDZ-2G6D1	DDR4 RDIMM	16GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101 (2020 Q2 EOL)
Micron	MTA18ASF2G72PDZ-2G6E1Qx	DDR4 RDIMM	16GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101
Micron	MTA18ASF2G72PDZ-2G6E1Sx	DDR4 RDIMM	16GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101
Micron	MTA36ASF4G72PZ-2G6D1	DDR4 RDIMM	32GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101 (2020 Q2 EOL)
Samsung	M393A2K40CB2-CTD	DDR4 RDIMM	16GB	2666MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	M393A4K40CB2-CTD	DDR4 RDIMM	32GB	2666MHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Samsung	M393A4K40CB2-CTD7Q	DDR4 RDIMM	32GB	2666MHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Samsung	M393A4K40CB2-CTD6Q	DDR4 RDIMM	32GB	2666MHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Samsung	M393A4K40CB2-CTD8Q	DDR4 RDIMM	32GB	2666MHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Samsung	M393A8K40B22-CWD7Q	DDR4 RDIMM	64GB	2666MHz	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Samsung	M393A8G40MB2-CTD	DDR4 RDIMM	64GB	2666MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
SK Hynix	HMA84GR7AFR4N-VKTF	DDR4 RDIMM	32GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101
SK Hynix	HMA84GR7AFR4N-VKT3	DDR4 RDIMM	32GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101
SK Hynix	HMA84GR7AFR4N-VKTN	DDR4 RDIMM	32GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101
SK Hynix	HMA84GR7CJR4N-VKTF	DDR4 RDIMM	32GB	2666MHz	※BMC:TPC_D08/ BIOS:WTPC_D101

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Samsung	M393A4K40BB1-CRC	DDR4 RDIMM	32GB		2400MHz	EOL(Feb, 2019)
Samsung	M393A4K40BB2-CTD7Q	DDR4 RDIMM	32GB		2666MHz	EOL(Feb, 2019)
Samsung	M393A4K40BB2-CTD6Q	DDR4 RDIMM	32GB		2666MHz	EOL(Feb, 2019)
Samsung	M393A4K40BB2-CTD8Q	DDR4 RDIMM	32GB		2666MHz	EOL(Feb, 2019)
Samsung	M393A8G40MB2-CTD	DDR4 RDIMM	64GB		2666MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	M393A2K40CB2-CTD	DDR4 RDIMM	16GB		2666MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	M393A8G40MB2-CVF	DDR4 RDIMM	64GB		2933MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	M393A2K40CB2-CVF	DDR4 RDIMM	16GB		2933MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	M393A4K40CB2-CVF	DDR4 RDIMM	32GB		2933MHz	※BIOS:TPC_P14/ BMC:WTPC_P3.12

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HDD

Vendor	Model	Interface	Bandwidth	Form Factor	Capacity	RPM	Remark
Seagate	MakaraBP/ ST2000NM0105	SATA	6Gb/s	3.5"	2TB	7.2K	※BMC:TPC_D09/ BIOS:WTPC_D102
Toshiba	Tomcat/ MG04ACA200A	SATA	6Gb/s	3.5"	2TB	7.2K	※BMC:TPC_D09/ BIOS:WTPC_D102
Toshiba	AL14SEB090N	SAS	12Gb/s	2.5"	900GB	10K	※BMC:TPC_D09/ BIOS:WTPC_D102
Seagate	Nemo/ ST2000NM0008	SATA	6Gb/s	3.5"	2TB	7.2K	EOL(Dec, 2017)
Toshiba	AL13SEB900	SAS	6Gb/s	2.5"	900GB	10K	EOL(Dec, 2017)

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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	※BIOS:TPC_P12/ BMC:WTPC_P2.11
Intel	P4101/ SSDPEKKA256G801	NVME	PCIe Gen3 x 4	M.2(2280)	256GB	TLC	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Samsung	PM1725b MZPLL6T4HMLA-00005	PCIe	PCIe Gen3 x 4	AIC	6.4TB	MLC	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	SM883/ MZ7LH7T6HMLA-00005	SATA	6Gb/s	2.5"	7.68TB	MLC	※BIOS:TPC_P14/ BMC:WTPC_P3.12
Samsung	SM883/ MZ7KH960HAJR-00005	SATA	6Gb/s	2.5"	960GB	MLC	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Samsung	PM983/ MZQLB7T6HMLA-00007	NVME	PCIe Gen3 x 4	U.2	7.68TB	TLC	※BIOS:TPC_P12/ BMC:WTPC_P2.11 w/PCIe Converter Card
Samsung	PM1725b/ MZWLL1T6HAJQ-00005	NVME	PCIe Gen3 x 4	U.2	1.6TB	MLC	※BIOS:TPC_P12/ BMC:WTPC_P2.11 w/PCIe Converter Card
Seagate	Nytro 1351/ XA240LE10003	SATA	6Gb/s	2.5"	240GB	TLC	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Seagate	Nytro 1351/ XA480LE10063	SATA	6Gb/s	2.5"	480GB	TLC	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Seagate	Nytro 1551/ XA1920ME10063	SATA	6Gb/s	2.5"	1.92TB	MLC	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Seagate	ST960HM0011	NVME	PCIe Gen3 x 4	M.2(22110)	960GB	eMLC	※BMC:TPC_D08/ BIOS:WTPC_D101
Intel	S4500/ SSDSC2KB240G701	SATA	6Gb/s	2.5"	240GB	MLC	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)
SAMSUNG	PM883/ MZ7LH7T6HMLA-00005	SATA	6Gb/s	2.5"	7.68 TB		※BIOS:TPC_P14/ BMC:WTPC_P3.12
SAMSUNG	PM1725b/ MZPLL6T4HMLA-00005	NVME	PCIe Gen3 x 4	PCIE	6.4 TB		※BIOS:TPC_P14/ BMC:WTPC_P3.12

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SAMSUNG	PM1725b/ MZPLL6T4HMLA-00005	NVME	PCIe Gen3 x 4	U.2	6.4TB	※BIOS:TPC_P14/ BMC:WTPC_P3.12
KIOXIA	XG6/ KXG60ZNV256G	NVME	PCIe Gen3 x 4	M.2	256GB	※BIOS:TPC_P14/ BMC:WTPC_P3.12
KIOXIA	CM5/ KCM51VUG1T60	NVME	PCIe Gen3 x 4	U.2	1.6TB	※BIOS:TPC_P14/ BMC:WTPC_P3.12

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LAN & NIC Card

Vendor	Model	Interface	Speed	Form Factor	Type	Ports	Remark
BRCOM	M125cHF/ BCM957302M3023CBK	PCIe gen3	25Gbps	OCP Mezz	SFP+	1 ports	※BMC:TPC_D09/ BIOS:WTPC_D102
BRCOM	M225p/ BCM957414M4142C	PCIe gen3	25Gbps	OCP Mezz	SFP+	2 ports	※BMC:TPC_P01/ BIOS:WTPC_P200
BRCOM	P225p/ BCM957414A4142CC	PCIe gen3	25Gbps	HHHL	SFP+	2 ports	※BMC:TPC_P01/ BIOS:WTPC_P200
Intel	X550-T2	PCIe gen2	10Gbps	FHHL	RJ45	2 ports	※BIOS:TPC_P12/ BMC:WTPC_P2.10
Intel	XXV710DA2OCPG1	PCIe gen3 x 8	25Gbps	OCP Mezz	SFP+	2 ports	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Intel	XXV710DA2G1P5	PCIe gen3 x 8	25Gbps	HHHL	SFP+	2 ports	※BIOS:TPC_P12/ BMC:WTPC_P3.12
Mellanox	MCX4121A-XCAT	PCIe gen3	10Gbps	HHHL	SFP+	2 ports	※BMC:TPC_P01/ BIOS:WTPC_P200
Mellanox	MCX4421A-ACQN	PCIe gen3	25Gbps	OCP Mezz	SFP+	2 ports	※BIOS:TPC_P10 / BMC:WTPC_P2.11
Mellanox	MCX4121A-ACAT	PCIe gen3	25Gbps	HHHL	SFP+	2 ports	※BMC:TPC_D09/ BIOS:WTPC_D102

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RAID & HBA Card

Vendor	Model	Interface	Bandwidth	Type	Internal Ports	External Ports	Remark
Broadcom	9341-4i	PCIe Gen3	SAS 12Gb/s	RAID	4 Port	N/A	※BIOS:TPC_P10 / BMC:WTPC_P2.11
Broadcom	9361-4i	PCIe Gen3	SAS 12Gb/s	RAID	4 Port	N/A	※BIOS:TPC_D09/ BMC:WTPC_D102
Broadcom	9380-4i4e	PCIe Gen3	SAS 12Gb/s	RAID	4 Port	4 Port	※BIOS:TPC_D09/ BMC:WTPC_D102
Broadcom	9300-8e	PCIe Gen3	SAS 12Gb/s	HBA	N/A	8 Port	※BMC:TPC_D09/ BIOS:WTPC_D102