

Wiwynn SV7221G2 Series AVL

(2U 21" 3 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.

CPU

Vendor	Model	Vendor P/N	Core	Watt	Frequency	Remark
Intel	E5-2690 V4	CM8066002030908S	14C	135W	2.6GHz	
Intel	E5-2683 V4	CM8066002023604	16C	120W	2.1GHz	
Intel	E5-2667 V4	CM8066002041900	8C	135W	3.2GHz	
Intel	E5-2660 V4	CM8066002031201S	14C	105W	2.0GHz	
Intel	E5-2650L V4	CM8066002033006	14C	65W	1.7GHz	
Intel	E5-2630 V4	CM8066002032301	10C	85W	2.2GHz	
Intel	E5-2620 V4	CM8066002032201S	8C	85W	2.1GHz	
Intel	E5-2603 V4	CM8066002032805	6C	85W	1.7GHz	

Wiwynn SV7221G2 Series AVL

Memory

Vendor	Model	SDRAM Type	Size	Frequency	Remark
Micron	MTA36ASF4G72PZ-2G3B1I	DDR4 RDIMM	32GB	2400MHz	
Samsung	M393A2K43BB1-CPB0Q	DDR4 RDIMM	16GB	2133MHz	
Samsung	M393A2K43BB1-CPB4Q	DDR4 RDIMM	16GB	2133MHz	
Samsung	M393A4K40BB1-CRC0Q	DDR4 RDIMM	32GB	2400MHz	
SK Hynix	HMA84GR7AFR4N-VKT3	DDR4 RDIMM	32GB	2666MHz	

Wiwynn SV7221G2 Series AVL

HDD

Vendor	Model	Interface	Bandwidth	Form Factor	Capacity	RPM	Remark
Seagate	ST1000NX0313	SATA	6Gb/s	2.5"	1TB	7.2K	
Seagate	ST2000NX0253	SATA	6Gb/s	2.5"	2TB	7.2K	
Toshiba	MG04ACA200E	SATA	6Gb/s	3.5"	2TB	7.2K	
Toshiba	AL14SEB120N	SAS	12Gb/s	2.5"	1.2TB	10K	
Seagate	ST91000640NS	SATA	6Gb/s	2.5"	1TB	7.2K	EOL(Jul, 2016)

Wiwynn SV7221G2 Series AVL

SSD

Vendor	Model	Interface	Bandwidth	Form Factor	Capacity	NAND Type	Remark
Intel	S4500/ SSDSC2KB240G701	SATA	6Gb/s	2.5"	240GB	MLC	
Intel	P3100/ SSDPEKKA256G701	NVME	PCIe Gen3 x 4	M.2(2280)	256GB	TLC	w/M.2 Carrier
Intel	P3520/ SSDPEDMX012T701	NVME	PCIe Gen3 x 4	HHHL	1.2TB	MLC	
Intel	P3520/ SSDPEDMX020T701	NVME	PCIe Gen3 x 4	HHHL	2TB	MLC	
Seagate	Fargo/ XF1230-1A0240	SATA	6Gb/s	2.5"	240GB	MLC	
Toshiba	Hawk M4Rz/ THNSN8240PCSE	SATA	6Gb/s	2.5"	240GB	MLC	
Toshiba	Hawk M4Rz/ THNSN81Q92CSE	SATA	6Gb/s	2.5"	1.92TB	MLC	

Wiwynn SV7221G2 Series AVL

LAN & NIC Card

Vendor	Model	Interface	Speed	Form Factor	Type	Ports	Remark
BRCOM	M210p/ BCM957412M4123	PCIe gen3	10Gbps	OCP Mezz	SFP+	2 ports	
BRCOM	P210p/ BCM957412A4120AC	PCIe gen3	10Gbps	HHHL	SFP+	2 ports	
BRCOM	M225p/ BCM957414M4142C	PCIe gen3	25Gbps	OCP Mezz	SFP+	2 ports	
BRCOM	P225p/ BCM957414A4142CC	PCIe gen3	25Gbps	HHHL	SFP+	2 ports	
Intel	I350T2G2P20	PCIe gen2	1Gbps	OCP Mezz	RJ45	2 ports	
Intel	I350T2G2P20	PCIe gen2	1Gbps	HHHL	RJ45	2 ports	
Intel	I350T4G2P20	PCIe gen2	1Gbps	HHHL	RJ45	4 ports	
Intel	X520DA2OCPG2P20	PCIe gen2	10Gbps	OCP Mezz	SFP+	2 ports	
Intel	X710DA4FHG2P5	PCIe gen3 x 8	10Gbps	FHHL	SFP+	4 ports	
Intel	X710DA4G2P5	PCIe gen3 x 8	10Gbps	HHHL	SFP+	4 ports	
Intel	XXV710DA1OCP	PCIe gen3 x 8	25Gbps	OCP Mezz	SFP+	1 ports	
Intel	XXV710DA1G1P5	PCIe gen3 x 8	25Gbps	HHHL	SFP+	1 ports	
Intel	XXV710DA2OCP	PCIe gen3 x 8	25Gbps	OCP Mezz	SFP+	2 ports	
Intel	XXV710DA2G1P5	PCIe gen3 x 8	25Gbps	HHHL	SFP+	2 ports	
Intel	XL710QDA2G2P5	PCIe gen3 x 8	40Gbps	FHHL	QSFP+	2 ports	
Mellanox	MCX342A-XCQN	PCIe gen3	10Gbps	OCP Mezz	SFP+	2 ports	

Wiwynn SV7221G2 Series AVL

Mellanox	MCX312B-XCCT	PCIe gen3	10Gbps	HHHL	SFP+	2 ports	
Mellanox	MCX4411A-ACAN_FB	PCIe gen3	25Gbps	OCP Mezz	SFP+	1 ports	
Mellanox	MCX4421A-ACQN	PCIe gen3	25Gbps	OCP Mezz	SFP+	2 ports	
Mellanox	MCX4121A-ACAT	PCIe gen3	25Gbps	HHHL	SFP+	2 ports	
Intel	X710DA4G1P5	PCIe gen3 x 8	10Gbps	HHHL	SFP+	4 ports	EOL(Mar, 2016)

Wiwynn SV7221G2 Series AVL

RAID & HBA Card

Vendor	Model	Interface	Bandwidth	Type	Internal Ports	External Ports	Remark
Broadcom	9361-8i	PCIe Gen3	SAS 12Gb/s	RAID	8 Port	N/A	
Broadcom	9380-4i4e	PCIe Gen3	SAS 12Gb/s	RAID	4 Port	4 port	
Broadcom	9300-8e	PCIe Gen3	SAS 12Gb/s	HBA	N/A	8 Port	
Microsemi	3152-8i	PCIe Gen3	SAS 12Gb/s	RAID	8 Port	N/A	