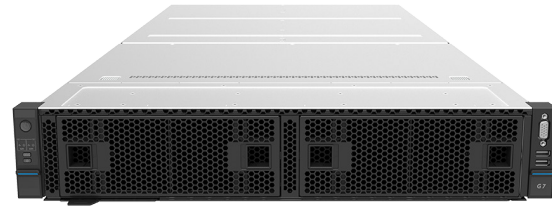# AIVRES

K22V2

Highest Density 1-Socket Design

K22V2 with AMD EPYC™ 9004 is a 2U 2-node server delivering single-socket performance up to 400W per node with air cooling. It supports up to 16 E1.S SSDs providing power and performance density as well as thermal and energy efficiency.

Optimized for maximum energy savings, it utilizes Extended Volume Air Cooling (EVAC) Heat Sink & HDD backplane to lower fan power expenditure, and Power Capping to achieve machine-level efficiency.

- 1x AMD EPYC™ 9004 per node, up to 128 cores, supports max TDP with air cooling
- Up to 24 DDR5 DIMM, up to 4800 MT/s for each CPU
- Supports 2 GPU cards
- Supports up to 16 E1.S

AMD

Technical Specifications

		Rear IO K22-E2-A0-R0-00	Front IO K22-E2-A0-F0-00
Node	**Processor**	1x AMD EPYC™ 9004 per node, up to 400W TDP with air cooling	
	Memory	12x DDR5 DIMMs, 4800MHz @ 1DPC, supports RDIMM	
	Storage	Up to 12x 2.5" SDD, internal 2x M.2 16x E1.S	No drive
	Boot Device	2x 2280/22110 SATA/PCIe x2 M.2	
	Rear I/O	1x RJ45, 1x UID, 1x RST button, 1x micro USB for debug, 1x micro USB	
	PCIe	Up to 2x PCIe 5.0 x16 HHHL + 2x PCIe 5.0 x8 HHHL	
	Ethernet	1x SFF OCP3.0 Gen5 x16, supports NCSI	
	Management	AST 2600, IPMI/Redfish	
	Security	Support TPM2.0	
Chassis	**Specifications**	Dual hot-pluggable nodes in 2U	
	Dimensions	447mm (W) x 88.2mm (H) x 880mm (D)	
	Fan	6x 6056 dual rotor fan, N+1 rotor redundancy	
	PSU	2x 2000/2200W/2700W PSUs (Platinum/Titanium), supports 1+1 redundancy	2x 2000 PSUs (Platinum/Titanium), supports 1+1 redundancy