



UQLEAD K03-4220



AI/HPC Server

Intel® Xeon® 6 – 4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x dual-slot Gen5 GPUs
- Conditional support:
8 x NVIDIA H200 NVL PCIe GPUs with 4-way NVLink™ bridges or
8 x NVIDIA RTX™ PRO 6000 Blackwell Server Edition GPUs
- Dual Intel® Xeon® 6700/6500 Series processors
- 32 x DIMMs, 8-channels DDR5 RDIMM / MRDIMM
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 12 x 2.5" Gen5 NVMe / SATA / SAS-4 hot-swap bays
- 8 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 3 x LP PCIe Gen5 x16 slots
- 2 x FHHL PCIe Gen5 x16 slots on the front
- Quad 3000W 80 PLUS Titanium redundant power supply

AI training

AI inference

Visual & high-performance computing

Specifications

Dimensions	4U (W448 x H176 x D880 mm) 4U (W448 x H176 x D1000.5 mm) with optional fan kit	Rear: 8 x FHFL PCIe Gen5 x16 for GPUs 2 x FHHL PCIe Gen5 x16 3 x LP PCIe Gen5 x16
CPU	Intel® Xeon® 6 processors: <ul style="list-style-type: none"> • Intel® Xeon® 6700 Series processors • Intel® Xeon® 6500 Series processors Dual processors, TDP up to 350W	Front: 2 x FHHL PCIe Gen5 x16
OS compatibility	Windows Server, Red Hat Enterprise Linux Server, VMware ESXi, SUSE Linux Enterprise, Ubuntu Server, Citrix Hypervisor	PCIe expansion slots *The system supports up to 8 x 600W GPUs with an optional fan kit . GPU video output ports are not available. *The system supports 8 x NVIDIA H200 NVL PCIe GPUs at 25°C ambient, arranged as two 4-GPU sets, each with a 4-way NVLink bridge. *The system supports 8 x RTX™ PRO 6000 Blackwell Server Edition GPUs at 25°C ambient.
Chipset	System on Chip	Backplane board PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Memory	32 x DIMMs, 8-channel DDR5 RDIMM/MRDIMM For RDIMM: up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) For MRDIMM: up to 8000 MT/s* *MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration	Power supply Quad 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord
LAN	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - NCSI 1 x 10/100/1000 Management LAN	System management ASPEED® AST2600 Baseboard Management Controller KERNO Management Console (AMI MegaRAC SP-X)
Video	Integrated in ASPEED® AST2600: <ul style="list-style-type: none"> • 1 x VGA port 	System fans 2 x 40x40x28 mm 12 x 60x60x56 mm
Storage	Front hot-swap: 12 x 2.5" Gen5 NVMe / SATA / SAS-4* *SAS card is required to support SAS drives.	Operating properties Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
RAID	Requires RAID add-in cards Onboard VROC key headers	Packaging content 1 x 4U chassis 1 x L-shape rail kit 4 x C19 power cord Optional: 8080 fan kit for 600W GPUs
Security modules	TPM 2.0	Warranty 3- to 5-year limited warranty
I/O ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN	

Learn more at www.kerno.ae. All specifications are subject to change without notice. Please visit our website for the latest information.

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