

UQLEAD K03-42A0

HPC/AI Server - 4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Dual AMD EPYC™ 9004 Series Processors
- 2-Channel DDR5 RDIMM, 48 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 12 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen3 x4 interface
- 8 x FHFL PCIe Gen5 x16 slots for GPUs
- 8 x LP PCIe Gen5 x16 slots
- 2 x LP PCIe Gen5 x16 slots on the front side
- 3+1 3000W 80 PLUS Titanium redundant power supplies

Applications

AI Platform, AI Training Server, AI Inference Server, Visual Computing, High-Performance Computing Server.

Specification

Dimensions	4U (W448 x H176 x D880 mm)	RAID	Require RAID add-in cards
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 400W - At 25°C ambient, cTDP up to 500W	PCIe Expansion Slots	8 x FHFL PCIe Gen5 x16, for GPUs 10 x LP PCIe Gen5 x16
OS Compatibility	Visit our website for the list of compatible OS	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
Socket	2 x LGA 6096 (Socket SP5)	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Chipset	System on Chip	TPM	1 x TPM header (SPI), Optional TPM2.0
Memory	48 x DIMM slots DDR5 memory supported 12-Channel memory per processor AMD EPYC™ 9005: RDIMM: Up to 5200 MT/s (1DPC) RDIMM: Up to 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) AMD EPYC™ 9004: RDIMM: Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	Power Supply	3+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	System Management	ASPEED AST2600 Baseboard Management Controller KERNO Management Console web interface
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	System Fans	12 x 60x60x38mm (23,000rpm)
Storage	Front hot-swap: 12 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] Internal M.2: 2 x M.2 (2280/22110), PCIe Gen3 x4 [1] SAS card is required to support SAS drives.	Operating Properties	Operating: 10°C~35°C, 8%~80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing)
		Packaging Content	1 x 4U Chassis 2 x CPU Fansinks 8 x GPU Power cables (12VHPWR, 150mm) 1 x L-shape Rail kit

Learn more at: <https://kernoenterprises.com>

* All specifications are subject to change without notice. Please visit our website for the latest information.
* All trademarks and logos are the properties of their respective holders.