



UQLEAD K03-42A0

AI/HPC Server

4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x dual-slot Gen5 GPUs:
8 x NVIDIA H200 NVL PCIe GPUs with 4-way NVLink™ bridges or
8 x NVIDIA RTX™ PRO 6000 Blackwell Server Edition GPUs
- Dual AMD EPYC™ 9005 Series processors
- 32 x DIMMs, 12-channel DDR5 RDIMM
- 12 x 2.5" Gen5 NVMe hot-swap bays
- 1 x M.2 slots with PCIe Gen3 x4 interface
- 8 x FHFL PCIe Gen5 x16 slots for GPUs
- 4 x FHHL PCIe Gen5 x16 slots for CX7/CX8
- 1 x FHHL PCIe Gen5 x16 slot for BF3 DPU
- 1 x HHHL PCIe Gen5 x16 slot
- 3+1 3200W 80 PLUS Titanium power supplies

AI training

AI inference

Visual & high-performance computing

Specifications

Dimensions 4U (W438 x H175 x D800 mm)

CPU AMD EPYC™ 9005 Series processors
Dual processor, cTDP up to 400W:
• At 25°C ambient, cTDP up to 500W

OS compatibility Windows Server 2022 and 2025
Red Hat Enterprise Linux server 9.X & 10
VMware ESXi 8.0 U3 & VMware ESX 9.X

Chipset System on Chip

Memory 32 x DIMMs, 12-channel DDR5 RDIMM
Up to 5200 MT/s (1DPC), 4400 MT/s (1R 2DPC)

LAN 6 x LP PCIe Gen5 x16 slots:
• Options for NVIDIA ConnectX®-8 / ConnectX®-7)
1 x 10/100/1000 Mbps Management LAN

Video Integrated in ASPEED® AST2600:
• 1 x VGA port

Storage **Front hot-swap:**
12 x 2.5" Gen5 NVMe*
Internal M.2:
1 x M.2 (2280), PCIe Gen3 x4
*RAID add-in card is required to support RAID functionality.

I/O ports **Front:** 2 x USB 3.2 Gen1, 1 x Mini DisplayPort
Rear: 1 x USB 3.2 Gen1, 1 x Mini DisplayPort, 1 x MLAN,
1 x Micro USB port (debug port)

Front:
8 x FHFL PCIe Gen5 x16 slots for GPUs (with PCIe switches)

PCle expansion slots **Rear:**
6 x LP PCIe Gen5 x16 slots (with PCIe switches)
*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.

Security modules TPM 2.0

Power supply 3+1 3200W 80 PLUS Titanium redundant power supply
AC Input: 100-240V
*The system power supply requires C19 power cord

System management ASPEED® AST2600 Baseboard Management Controller
KERNO Management Console web interface

System fans 10 x 80x80 mm

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)

Packaging content 1 x 4U chassis
1 x L-shape rail kit
4 x C19 power cable

Warranty 3- to 5-year limited warranty