



# UQLEAD K03-8220



AI/HPC Server

Intel® Xeon® 6 – 8U DP NVIDIA HGX™ B200



## Key Features

- NVIDIA HGX™ B200
- 1.8TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™ and NVSwitch™
- Dual Intel® Xeon® 6700/6500 Series processors
- 32 x DIMMs, 8-channel DDR5 RDIMM/MRDIMM
- Compatible with NVIDIA® BlueField®-3 DPUs and NVIDIA ConnectX®-7 NICs
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen5 x4 and x2 interface
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL dual-slot PCIe Gen5 x16 slots
- 8 x FHHL single-slot PCIe Gen5 x16 slots
- 6+6 3000W 80 PLUS Titanium redundant power supplies

AI platform

AI training server

AI inference server

High-performance computing server

## Specifications

**Dimensions** 8U (W447 x H351 x D923 mm)

**CPU** Intel® Xeon® 6 processors:  

- Intel® Xeon® 6700 Series processors
- Intel® Xeon® 6500 Series processors

 Dual processors, TDP up to 350W

**OS compatibility** Visit our website for a list of compatible operating systems

**Socket** 2 x LGA 4710 (Socket E2)

**Chipset** System on Chip

**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.

**LAN** **Front:**  
 2 x 10Gb/s LAN (1x Intel® X710-AT2) NCSI support  
 1 x 10/100/1000 Mbps Management LAN  
**Rear:**  
 1 x 10/100/1000 Mbps Management LAN

**Video** Integrated in ASPEED® AST2600:  

- 1 x VGA port

**Storage** **Front hot-swap:**  
 8 x 2.5" Gen5 NVMe  
**Internal M.2:**  
 1 x M.2 (2280/22110), PCIe Gen5 x4  
 1 x M.2 (2280/22110), PCIe Gen5 x2

**Modular GPU** NVIDIA HGX™ B200 with 8 x SXM GPUs

**PCIe expansion slots** 4 x FHHL dual-slot PCIe Gen5 x16  
 8 x FHHL single-slot PCIe Gen5 x16

**I/O ports** **Front:**  
 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN  
**Rear:**  
 1 x MLAN

**Security modules** TPM 2.0

**Backplane board** PCIe Gen5 x4

**Power supply** 6+6 3000W 80 PLUS Titanium redundant power supplies AC Input: 220-240V  
 \*The system power supply requires C19 power cord.

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

**System fans** **Motherboard:** 2 x 60x60x56 mm / 4 x 60x60x76 mm  
**OSFP ports:** 4 x 40x40x56 mm  
**PCIe slots:** 2 x 80x80x56 mm  
**GPU tray:** 15 x 80x80x80 mm

**Operating properties** Operating: 10°C to 30°C, 8% to 80% (non-condensing)  
 Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)

**Packaging content** 1 x 8U chassis  
 1 x L-shape rail kit

**Warranty** 3- to 5-year limited warranty

Learn more at [www.kerno.ae](http://www.kerno.ae). All specifications are subject to change without notice. Please visit our website for the latest information.

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