



UQLEAD K03-X220 Ultra



AI/HPC Server

Intel® Xeon® 6 – 10U DP NVIDIA HGX™ B300



Key Features

- NVIDIA HGX™ B300
- 8 x 800 Gb/s OSFP InfiniBand XDR or dual 400 Gb/s Ethernet GPU networking ports via onboard NVIDIA ConnectX®-8 SuperNIC™
- 1.8TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™ and NVSwitch™
- Dual Intel® Xeon® 6700 Series processors
- 32 x DIMMs, 8-channel DDR5 RDIMM
- Compatible with NVIDIA BlueField®-3 DPUs
- 1 x 1GbE RJ45 I210 LAN
- 2 x M.2 (2280) slots
- 8 x E1.S Gen5 NVMe hot-swap bays
- 4 x FHHL PCIe Gen5 x16 slots
- 12 x 3200W 80 PLUS Titanium redundant power supplies

AI platform

AI training server

AI inference server

High-performance computing server

Specifications

Dimensions 10U (W447 x H441.75 x D800 mm)

CPU Intel® Xeon® 6700 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
Up to 6400 MT/s (IDPC), 6000 MT/s (2DPC)

LAN 2 x 1GbE Management LAN
1 x 1GbE LAN
8 x 800 Gb/s OSFP InfiniBand XDR or dual 400 Gb/s Ethernet, for GPU networking

Video Integrated in ASPEED® AST2600:
• 1 x Mini DisplayPort

Storage **Front hot-swap:**
8 x E1.S Gen5 NVMe
Internal M.2:
2 x M.2 (2280)

Modular GPU NVIDIA HGX™ B300 with 8 x SXM GPUs

PCIe expansion slots 4 x FHFL PCIe Gen5 x16

I/O ports

Front:
1 x USB 3.0
1 x Mini DisplayPort
1 x RJ45
1 x MLAN
8 x OSFP

Security modules

TPM 2.0

Power supply

12 x 3200W 80 PLUS Titanium redundant power supplies
AC Input:
• 115-127V~/14.2A, 50-60Hz
• 200-220V~/15.8A, 50-60Hz
• 220-240V~/14.9A, 50-60Hz
*The system power supply requires C19 power cord.

System management

ASPEED® AST2600 Baseboard Management Controller
KERNO Management Console web interface

System fans

20 x 80x80x80 mm

Operating properties

Operating temperature: 5°C to 35°C (41°F to 95°F)
Non-operating temperature: -40°C to 70°C (-40°F to 158°F)
Operating relative humidity: 20% to 85%RH
Non-operating relative humidity: 10% to 95%RH

Packaging content

1 x 10U chassis
1 x L-shape rail kit

Warranty

3- to 5-year limited warranty