

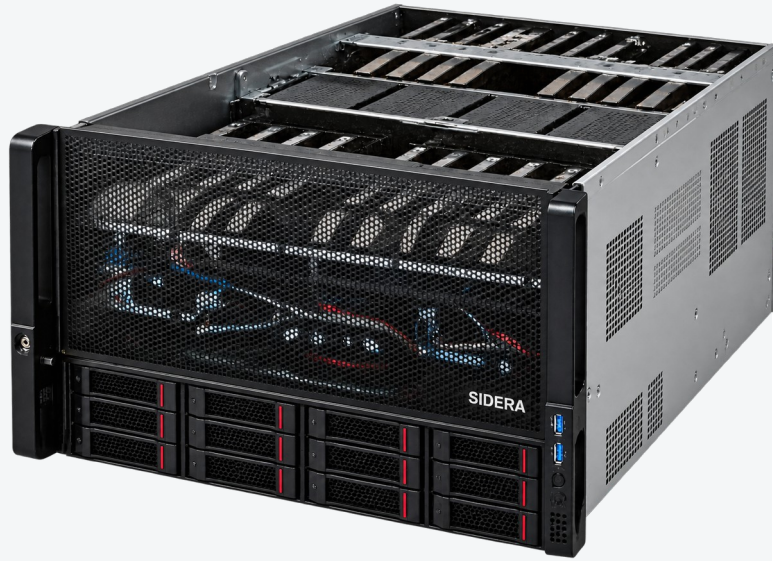


04 · AI ACCELERATION

SR-X6-2S-8U12-16G

Scale PCIe acceleration
for enterprise AI.

An 8U dual-socket Intel Xeon 6 platform for dense GPU deployment, large-memory configurations and local data across inference, model development and visual computing.



PRODUCT VIEW · SR-X6-2S-8U12-16G

8U

RACK PLATFORM

UP TO 16

GPU ACCELERATORS

8 TB

DDR5 MEMORY

2 ×

INTEL XEON 6

DESIGNED FOR

LLM inference · model training · computer vision · GPU virtual desktops · rendering · HPC

01

Scale accelerator density

Support for up to 16 PCIe GPUs provides a flexible base for inference, model development, rendering and parallel compute.

02

Keep models and data close

Up to 8 TB of DDR5 memory, twelve hot-swap drive bays and two M.2 positions support large working sets and local data tiers.

03

Operate through a dedicated control plane

ASPEED AST2600 BMC, IPMI 2.0, remote console and TPM 2.0 provide out-of-band administration and platform security functions.

Product imagery is illustrative. Final chassis details and installed options are defined by the order configuration.

ENTERPRISE OPERATIONS

Built for remote control and service continuity.

Dedicated management and redundant power support day-to-day data-center operations across the server family.

REMOTE KVM

HTTPS · REDFISH

HOT-SWAP POWER



04 · PRODUCT PLATFORM

High-density GPU capacity. Balanced by design.

SR-X6-2S-8U12-16G combines a high-density accelerator layout with dual-socket host compute, a large memory ceiling and serviceable local storage for demanding AI and visual workloads.

CUSTOMER BENEFITS

- 01 Scale accelerator density**
Support for up to 16 PCIe GPUs provides a flexible base for inference, model development, rendering and parallel compute.
- 02 Keep models and data close**
Up to 8 TB of DDR5 memory, twelve hot-swap drive bays and two M.2 positions support large working sets and local data tiers.
- 03 Operate through a dedicated control plane**
ASPEED AST2600 BMC, IPMI 2.0, remote console and TPM 2.0 provide out-of-band administration and platform security functions.
- 04 Engineer for service continuity**
Separate redundant hot-swap power groups and dedicated fan banks support the GPU subsystem and host platform.

IDEAL WORKLOADS

- 01 LLM inference**
- 02 Model training**
- 03 Computer vision**
- 04 GPU virtual desktops**
- 05 Scientific computing**

CONFIGURATION FLEXIBILITY

- H200 NVL / H100 NVL
- RTX PRO 6000 SE / RTX 6000 Ada
- A100 / L4 / T4 / A2
- RTX 4090 and RTX professional GPUs

TECHNICAL HIGHLIGHTS

FORM FACTOR

8U rack server; 438 × 950 × 355 mm (W × D × H)

PROCESSORS

2 × Intel Xeon 6; 6500 or 6700 series

MEMORY

32 × DDR5 DIMM slots; up to 8 TB

ACCELERATORS

Up to 16 PCIe GPUs; supported quantity depends on the selected GPU and complete system configuration

STORAGE

12 × hot-swap 2.5/3.5-inch NVMe, SAS or SATA bays; 2 × M.2 PCIe 5.0

EXPANSION

OCP 3.0 x16 and PCIe risers for GPU configurations

ONBOARD NETWORK

3 × RJ45: 2 × 1GbE Intel I210 and 1 × 1GbE dedicated to BMC

MANAGEMENT / SECURITY

ASPEED AST2600 BMC; IPMI 2.0; remote console; TPM 2.0

POWER

GPU subsystem: 4 × 3,200 W, 2+2 redundancy; host platform: 2 × 2,000 W, 1+1 redundancy

COOLING / EFFICIENCY

Eight dual 80 mm GPU fan modules plus four 80 mm host fans; hot-swap CRPS 80 PLUS Platinum power supplies

CONFIGURATION NOTE

Maximum GPU density does not mean that every listed accelerator is supported at the maximum count. Exact GPU quantity, PCIe topology, NVLink bridge arrangement, power redundancy, cooling, firmware, operating system and controller support are validated as one ordered configuration. H200 NVL deployment requires model-specific platform qualification.

DEFINE THE RIGHT SYSTEM

Align compute, memory, storage, network and acceleration around the workload.

DISCUSS A CONFIGURATION
www.sidera-is.com