

RA280

ACCELERATING HPC TO EXTREME PERFORMANCES

HIGHLIGHTS

- Best computing performance in a single 2U system
- 8 hot-swappable front-load HDD/SDD bays SATA III 6Gb/s
- 24 memory DIMMS DDR4
- Supports up to 768 GB DDR4 memory
- 80 PLUS Platinum certified power supplies
- Flexible and modular I/O

RA280 is a 2U server rackmount housing a single central node and 4 side slots capable of receiving up to 8 GPU's.

Featuring 8 hot-swappable front-loading HDD/SDD bays supporting SATA III 6Gb/s connections, which can be upgraded to SAS 6Gb/s ones with the addition of an LSI SAS2208 based mezzanine card.

The RA280 has a unique ability to fit up to 8 double slot GPGPU or co-processing cards.

With 4 lateral trays able to host 2 double slot cards each, the RA280 can be fitted with the most powerful computing cards and boasts one of the best computing performance for a single 2U system.

Therefore, it is an ideal candidate to accelerate applications in scientific simulation & modelling, engineering, visualization & rendering, data mining, and any other computing intensive programs.

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FEATURES	RA280
Form Factor	2U
CPU	2x Intel® Xeon® E5-2600 v4
GPU	8x Accelerators NVIDIA® K80 or Intel® Xeon® Phi
Memory	24 x DIMM slots DDR4
Power Supply	2 x 1600W redundant PSU, 80 PLUS Platinum
I/O	2 x USB 3.0; 1 x VGA; 1 x Serial; 2 x SFP+; 1 x RJ45
System management	Aspeed® AST2400 management controller; Avocent® MergePoint IPMI 2.0 web interface
Network Controller	2x 10GbE SFP+ ports; 2x QSFP+ ports; 2 x 10Gb/s SFP+ LAN
Storage Controller	8 x 2.5" hot-swappable HDD/SSD bays
Expansion Slots	8 x PCIe x16 (Gen3 x16 bus); 1 x Half-length low-profile slot 1 x PCIe x16 (Gen3 x8 bus) connector; 1 x Proprietary PCIe x8 (Gen3 x8 bus) mezzanine connector
Video	Integrated in Aspeed® AST2400