

High Performance Computing Solution

Avalue's HPC products deliver high performance, bandwidth, and connectivity for demanding applications like AI, graphics, cloud computing, and data analysis. Designed for fast data processing and complex computations, our HPC series enables reliable, real-time insights—powering the next generation of computing.

Advantages of Avalue HPC Solution



Seamless Upgradability

Painless upgrade to in the existing server rack, cabinet or inside system chassis.



Real-time Management

Integrated IPMI2.0 and BMC technology for system monitoring and preventive maintenance.



Extended Lifecycle

At least 7 years product life cycle. Intel IOTG roadmap products provide 15 years availability.



Quality Reliability

robust and wide operating temperature design. 50,000 hours system level MTBF and 100% MP test coverage with traceability

All High Performance Computing products



Mainboard

IPMI enabled server board with server grade manageability. 7-year product availability with revision control.



Barebone system

Key parts selection flexibility on customers' requirement. Optimized thermal design with maximum I/O Flexibility



Fully-integrated system

Fully tested system. No hardware related efforts or experience needed.



**Smart
Media**



**Smart
Healthcare**



**Smart
Manufacturing**



HPM-GNRDE

Dual Intel®Xeon® 6 Processor EATX Server Board with IPMI2.0. Processor supports up to 350W TDP



HPM-GNRUP

Single Intel®Xeon® 6 Processor Proprietary Server Board and IPMI2.0. Processor supports up to 350W TDP



HPM-GNRUA

Single Intel®Xeon® 6 Processor ATX Server Board and IPMI2.0. Processor supports up to 350W TDP



HPM-ERSDE

Dual 4th/5th Generation Intel®Xeon® Scalable Processor Proprietary Server Board with Intel®C741 Chipset and IPMI2.0. Processor supports up to 270W TDP



HPS-ERSU4A

Single 4th/5th Generation Intel® Xeon® Scalable Processor with Intel® C741 Chipset, 1300W, 5x RJ-45, IPMI2.0 Workstation



HPS-GNRU1A

19" 1U Compact Server support Single Intel® Xeon® 6 Scalable Processor

