Empowering a SMART FUTURE

Avalue HPM-SRSDE High-Performance Computing Propels AI Development
Built-in 4th Gen Intel® Xeon® Scalable Processors Empower Sustainable Computing

TAIPEI, TAIWAN, October 16th, 2023 –Avalue Technology Inc. (TAIEX: 3479-TW), a global industrial PC solution provider and a Titanium member of the Intel® Internet of Things Solutions Alliance, endeavors to provide a complete range of smart retail, smart healthcare, smart manufacturing, smart transportation and embedded solutions. With the rise and rapid growth of artificial intelligence, deep learning and reinforced neural network, and model development and improvement, have enabled the potential of artificial intelligence and its commercial applications to extend to manufacturing, transportation, medical biochemistry, finance, military, etc.

High-Performance Computing Propels AI Development

To ensure artificial intelligence provides the solution for real-time complex system automation, the construction and evolution of these large-size models require more complex and greater number of parameters, and time-consuming adjustments. In fact, this critical demand for computing power is what essentially drives the high-performance computing market. Avalue HPM-SRSDE solution is specifically designed for high-performance computing applications. With two built-in 4th Gen Intel® Xeon® scalable processors, HPM-SRSD server motherboard is not only capable of high-speed data processing and complex computing, the utilization of digital technology itself realizes Avalue's objective of sustainable business development. Avalue HPM-SRSDE high-performance computing solution propels operational performance and sustainable business in smart city, smart manufacturing, healthcare and transportation.

Supporting two 4th Gen Intel® Xeon® scalable processors (codenamed Sapphire Rapids), Avalue HPM-SRSDE server motherboard has the most built-in accelerators in the world, providing exceptional data throughput. Its outstanding power supply and power consumption management also help customers lay the groundwork for sustainable computing. Twice as fast as the previous specifications, PCIe 5.0 delivers high-performance data transfer rate. HPM-SRSDE server motherboard is equipped with up to seven sets of PCIe 5.0 x 16 slots, supports dual-channel GPU card, supports up to 12 sets of DDR5 4800/4400 RDIMM memory, and up to 3TB capacity, doubling DDR4 bandwidth. With three sets of SlimSAS 8i (SFF-8654) connectors supporting U.2, and one set of Mini-SAS HD 4i connectors which can be converted to four SATA or one set of x4 NVME interface, transmission density is increased while providing greater design flexibility with multifunctional connectors. Dual 10-GbE, one 2.5GbE and 1 GbE Ethernet ports increase transmission speed between compute nodes, reducing latency

and optimizing connectivity. Furthermore, IPMI (Intelligent Platform Management Interface) 2.0 enables remote system management/ upgrading, real-time system diagnostics and maintenance scheduling.

Avalue HPM-SRSDE server motherboard empowers IoT, edge computing and cloud architecture with its exceptional high-performance computing. The adoption of AI, machine learning and large language model not only changes the way businesses are run, it also increases agility and profit-making ability, and lays the foundation for carbon-neutrality. In other words, when businesses optimize their operations and embrace sustainable development through Avalue HPM-SRSDE server motherboard's high-performance computing solution, it not only helps cut costs and introduce new business opportunities, but also benefits the environment, enabling businesses to realize their sustainability goals.

Visit www.avalue.com.tw for more information on Avalue products, or contact sales@avalue.com.tw to talk to our sales team.

About Avalue Technology

Avalue Technology (TAIEX: 3479-TW) is a professional industrial computer manufacturing company, who is dedicated to developing the x86 and RISC architecture products, including Industrial & Embedded Motherboard, Industrial Computer, Panel PC, System On Module, POS Terminal, Tablet, Software and various IOT ready products. Having expanded, Avalue offers its expertise on PCB/ Assembly/ BIOS version control and all types of after-sales services. An ISO 9001:2015, ISO 13485:2016, ISO 14001:2015 and ISO-45001: 2018 certified company; Avalue offers assurance to customers in every aspect of business. With headquarter located in Taiwan, Avalue has global subsidiaries, including offices in Shanghai, New Jersey, California and Tokyo. In addition, Avalue Technology operates an extensive distribution network to accommodate and serve customers all around the world.

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