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Avalue Launches HPS-GNRD4A High-Performance Workstation for Accelerating Enterprise AI and Medical Imaging

(Press Release - September 25, 2025) – Avalue Technology Inc. (TPEx: 3479.TWO), a global leader in industrial computing solutions, proudly announces the launch of the HPS-GNRD4A workstation, designed for high-performance computing (HPC) workloads. Built to meet the demands of enterprise AI training, medical imaging analysis, and high-performance data center operations, the system supports dual Intel® Xeon® 6 6500P/6700P series processors with up to 350W TDP per CPU and up to 16 DDR5 6400 MHz RDIMM and 8000 MHz MRDIMM slots, allowing for a maximum memory capacity of 4TB and providing a stable, high-performance computing environment.

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Key Features:

• Flexible Storage and Expansion: The 19-inch 4U rack-mount chassis offers abundant storage and expansion options, including one external 5.25-inch optical drive bay and three front-accessible 2.5-inch drive bays. The system supports up to three double-width GPU cards, high-speed PCIe 5.0, various NVMe/SSD/RAID cards, and other acceleration cards, easily adapting to diverse computing workloads. In addition, the system supports U.2 storage bay expansion, with high-density U.2 SSDs capable of meeting demanding high-performance application requirements.

• Efficient Cooling and Reliable Power: Equipped with a front 120mm and rear dual 80mm PWM fans, a standard 1300W PS2 ATX power supply, and an optional 1600W 1+1 CRPS redundant power supply, ensuring stable operation under sustained high workloads.

• Remote Management: Built-in IPMI 2.0 and AST 2600 BMC controllers allow remote monitoring of system status, reducing management costs and improving operational efficiency.

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Outstanding Performance and High-Speed Data Transfer

The HPS-GNRD4A is powered by dual Intel® Xeon® 6 processors based on the new Granite Rapids P-core architecture. With increased core counts and enhanced processing power, it delivers significantly faster performance for AI inference, data analytics, and HPC workloads. Supporting up to 16 DDR5 6400/8000 MHz RDIMM/MRDIMM slots and a maximum of 4TB memory, it is ideal for large-scale and memory-intensive applications. MRDIMM technology supports up to 256GB per module, delivering high performance while reducing power consumption.

For data transfer and connectivity, the HPS-GNRD4A offers five PCIe Gen5 x16 and one PCIe Gen5 x8 expansion slots for high-speed GPUs and AI accelerators. The system also includes dual 10GbE and dual 1GbE network ports, two M.2 PCIe 5.0 NVMe slots, ensuring efficient data access and transfer.

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Versatile Applications and Reliable Performance

The HPS-GNRD4A is particularly suitable for AI-driven medical imaging, including automated analysis and diagnostic support for CT, MRI, and X-ray images, and is also applicable for high-performance computing and data center environments. Its exceptional performance and large memory capacity accelerate diagnostic workflows and research efficiency, providing a reliable and high-performance computing platform for smart hospitals, enterprises, and the life sciences sector.

Avalue continues to deliver advanced hardware and innovative solutions to help users navigate rapidly evolving digital challenges, promote HPC application adoption, and accelerate innovation in smart healthcare and AI.

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