Silicon Mechanics Offers NVIDIA Tesla K40 GPU Accelerator

Silicon Mechanics

Silicon Mechanics has announced that it now offers the NVIDIA Tesla K40 GPU accelerator, the world's fastest accelerator, as part of its GPU Solutions product line. The Tesla K40 GPU accelerator is equipped with 12GB of memory and is designed for big data analytics and large-scale scientific computations in such fields as seismic processing; computational biology and chemistry; weather and climate modeling; image, video, and signal processing; computational finance; computational physics; CAE; and CFD.

Silicon Mechanics states that the NVIDIA Tesla K40 GPU delivers up to 40 percent higher performance compared to the NVIDIA Tesla K20X GPU, and 10 times higher performance than today's fastest CPU. Featuring NVIDIA GPU Boost technology, which converts power headroom into a user-controlled performance boost, the Tesla K40 GPU accelerator enables users to achieve even greater acceleration for various HPC workloads.

The NVIDIA Tesla family of GPUs is built on the NVIDIA Kepler GPU architecture and includes powerful technology features such as Dynamic Parallelism and Hyper-Q.

Silicon Mechanics offers a variety of server platforms designed for GPU computing, including the 4U Hyperform R2504.v4 and the 2U Rackform iServ R354.v4, each of which supports up to 4 NVIDIA Tesla GPUs.

About Silicon Mechanics

Silicon Mechanics, Inc. is a provider of rackmount server, storage and high-performance computing solutions and has been recognized as one of the fastest growing companies in the Greater Seattle Technology Corridor.

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