

Boston Launches Deep Learning Test Drives Powered by NVIDIA® Tesla® P100s

Submitted by: Boston

Monday, 14 November 2016

St. Albans, United Kingdom (14th November, 2016) – Boston Limited are pleased to announce the launch of the Boston NVIDIA® Tesla® P100 GPU test drive as part of their participation at SC16, Salt Lake City, Utah, USA 14-17th November.

Boston are taking advance bookings for test drives on our remote benchmarking facility which is free of charge. Participants can run their own code or one of the preloaded applications.

To register your interest in an NVIDIA® Tesla® P100 test drive either visit the Boston Stand at SC16 (Hall 2, Stand 3634) or contact Boston directly via sales@boston.co.uk.

Boston will also be exhibiting the latest weapon to their machine learning armoury in the guise of the Boston ANNA Pascal, a new NVIDIA® Tesla® GPU-based solution. The revolutionary NVIDIA® Pascal™ architecture is purpose-built to act as the engine of computers that learn, see, and simulate our world.

By introducing four ground-breaking technologies, the appliance enables the system to deliver lightning fast, absolute performance to HPC and deep learning workloads with infinite computing needs.

- New Pascal Architecture: Delivering 5.3 of double precision or 10.6 TeraFLOPS of single precision for HPC, or 21.2 TeraFLOPS of FP16 for deep learning.
- NVLink™: World's first high-speed Interconnect for multi-GPU scalability with 5x boost in performance.
- CoWoS® with HBM2: Unifying data and compute into single package for up to 3X memory bandwidth over prior-generation solution.
- Page Migration Engine: Parallel programming is simplified by enabling datasets beyond the physical limits of GPU memory.

The Boston ANNA Pascal redefines what is possible for the research community and the industry; helping solve many big data problems such as computer vision, speech recognition, and natural language processing.

Machine learning experts leverage the power of the GPU to make significant improvements to a multitude of applications. Deep learning is the fastest-growing field within this sphere and today's advanced deep neural networks use algorithms, big data, and the computational power of GPUs to reduce time-to-solution and to improve the accuracy of results.

The new offering from Boston Limited is an industry leading, latest-generation Tesla-based server and a masterclass of server design and innovation. The streamlined architecture eliminates complex cabling and GPU pre-heat for maximum airflow, cooling and performance-per-watt. The high-density 1U server includes 2 x PCI-E Gen 3 slots for InfiniBand to enable strong RDMA performance and can support up to 4x GPUs, making it the most optimal system for scalable GPU acceleration and density.

"NVIDIA® Tesla® accelerators enable a new class of servers that can deliver the performance of hundreds of CPU server nodes," said Roy Kim, Group Product Manager of Accelerated Computing at NVIDIA. "With support from the Tesla platform based on our new innovative Pascal architecture, Boston is delivering innovative, high-powered solutions to tackle the most demanding HPC and artificial intelligence workloads."

Available immediately, the Boston ANNA Pascal is suitable to a variety of use cases, particularly scientists looking for both on-premise or cloud based off-premise solutions for their deep learning algorithms.

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For further information, including product details and specifications, please contact:

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Notes to editors:

1. About Boston

Boston Limited has been providing cutting edge technology since 1992 using Supermicro® building blocks. Our high performance, mission-critical server and storage solutions can be tailored for each specific client, helping you to create your ideal solution. From the initial specification, solution design and even full custom branding – we can help you solve your toughest business challenges simply and effectively. [Boston.co.uk](http://boston.co.uk) (<http://boston.co.uk>)

2. About NVIDIA®

NVIDIA® (NASDAQ:NVDA) is a computer technology company that has pioneered GPU-accelerated computing. It targets the world's most demanding users -- gamers, designers and scientists -- with products, services and software that power amazing experiences in virtual reality, artificial intelligence, professional visualization and autonomous cars. nvidianews.nvidia.com (<http://nvidianews.nvidia.com/>)