Boston Limited introduces new deep learning platform powered by groundbreaking technology at ISC 2016

Submitted by: Boston
Tuesday, 21 June 2016

St. Albans, United Kingdom (June 21, 2016) – Boston Limited have introduced the latest weapon to their machine learning armoury in the guise of the Boston ANNA Pascal, a new NVIDIA® Tesla® GPU-based solution at ISC 2016 in Frankfurt, Germany.

The revolutionary NVIDIA Pascal™ architecture is purpose-built to act as the engine of computers that learn, see, and simulate our world. Leveraging this technology, the Boston ANNA Pascal should be considered for the title of the ‘world’s fastest deep learning appliance’.

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.

“Tesla P100 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."

From early-stage startups to large web service providers, deep learning has become the fundamental building block in the delivery of advanced solutions such as the Boston ANNA Pascal to end users. 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.

For a limited time, Boston is offering customers a dedicated and optimised cloud platform for deep learning analytics solutions free of charge. Take advantage of this no-risk, try before you buy scheme by contacting orla.power@boston.co.uk.

Ends

For further information, including product details and specifications, please contact:
Orla Power, Marketing Coordinator
Boston Limited
01727 876 100 - Mon to Fri, 9am to 5:30pm
orla.power@boston.co.uk

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. [www.boston.co.uk (http://www.boston.co.uk)]

Distributed via Press Release Wire (https://pressreleases.responsesource.com/) on behalf of Boston

Copyright © 1999-2024 ResponseSource, The Johnson Building, 79 Hatton Garden, London, EC1N 8AW, UK

e: info@responsesource.com t: 020 3426 4051 f: 0345 370 7776 w: https://www.responsesource.com