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Quantum3D Announces the Release of the Thermite[®] 3 Model 1100 with CUDA

SAN JOSE, CA—November 13, 2009 – Quantum3D, Inc., a leading provider of Commercial off-the-Shelf (COTS), open-architecture, real-time, visual-computing solutions, today announced the release of Thermite[®] 3 (T3) Model 1100 with NVIDIA[®] CUDA[™] Technology. T3 1100 delivers dramatic increases in computing speed and uses the CUDA architecture with GPGPU parallel computing to create a high performance computer system for applications requiring in-theatre deployment in rugged and mobile environments.

T3 Model 1100 is one of Quantum3D's newly released tactical visual computers powered by NVIDIA's FX770M industry-leading, 32-core, CUDA-capable, Mobile GPU and a 1.6 GHz Intel[®] Core[™] 2 Duo CPU. Designed to meet MIL-STD-810F, MIL-STD-461E, MIL-STD-704F and MIL-STD-1275, T3 1100 supports standard PC interfaces using rugged IP68 connectors and is available with both removable and internal solid state drives. A Quantum3D Eidetix 2100 PCIe-based Advanced Video Capture port is available with expansion up to four ports.



**T3 Model 1100 Featuring
CUDA-enabled GPU**

T3 1100 with the CUDA architecture facilitates outstanding potential in application areas including object recognition and tracking, image stabilization, laser and radar simulation, pattern recognition, digital image processing, video encoding/decoding, cryptography, and sensor processing. Developers can port their applications to GPUs and achieve orders of magnitude performance increase compared to

CPU implementations.

"Thermite 3 Model 1100 was designed for high performance, rugged, mobile vehicle computing applications." said Arnold Estep, Quantum3D's Business Development Manager. With NVIDIA's Nexus development environment programmers can use Visual Studio the world's most popular Windows development environment. The ease of CUDA development will reduce customers' time to market and enable substantial performance increases with minimal investment of time and effort." T3 1100 provides users an extremely powerful GPGPU capability in a rugged, COTS computer.

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Thermite 3 Model 1100 Development kits are now available at specially discounted prices.

About Thermite[®] 3 Model 1100

Thermite[®] 3 Model 1100 has an Intel 1.6 GHz Core 2 Duo CPU, NVIDIA FX770M GPU connected by PCI Express x16 Interface, with VGA or DVI outputs. Other standard interfaces include Ethernet IEEE 802.3 10/100/1000, USB 2.0, RS232/422 serial ports, video capture with NTSC/S-Video/PAL/RS-170/RS-170A available formats. Factory installed options include GPS and MIL-STD 1553 A/B Dual Redundant bus interfaces. Thermite[®] 3 Model 1100 with its PC compatibility, GPGPU performance and unique video and graphics capabilities is ideal for deployment in rugged, embedded and mobile environments requiring graphics and video-intensive, image processing, pattern recognition and tracking, and augmented reality-based applications. By combining state-of-the-art embedded computing, mobile graphics, extended-environment packaging, conduction cooling technologies, and support for open-architecture operating systems, Thermite[®] 3 Model 1100 CUDA sets a new standard for mobility, ruggedness, and real-time processing capabilities.

About Quantum3D

Quantum3D, Inc. is a leading developer and manufacturer of Commercial-off-the-Shelf (COTS), open-architecture, real-time visual computing solutions. Quantum3D combines the most advanced hardware and software systems for graphics simulation in a variety of markets and implementations—image generation; tactical computing for avionics; vehicle and man-wearable applications; synthetic environments; graphics subsystems; and other COTS solutions. Quantum3D is a privately-held company headquartered in San Jose, California. For more information about Quantum3D real-time visual computing solutions, please visit www.quantum3d.com.

The Thermite[®] family of computers will be on display in the Quantum3D booth, 1070, at the IITSEC tradeshow in Orlando, Florida, November 30 through December 3, 2009.

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