

High Performance Computing with CUDA and Tesla Hardware".

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Summary:

The NVIDIA® Tesla™ C1060 transforms a workstation into a high-performance computing machine that outperforms a small cluster. This gives technical professionals a dedicated computing resource at their desk-side that is much faster and more energy-efficient than a shared cluster in the data centre. The Tesla C1060 is based on the massively parallel, many-core Tesla processor, which is coupled with the standard CUDA C programming environment to simplify many-core programming. Many applications have been ported to the CUDA architecture and show significant increases in performance compared with equivalent implementations on standard microprocessor architectures.