

Scalable Informatics™ Pegasus-GPU+Cell™

The Pegasus workstation from Scalable Informatics provides a low cost desktide system with many processor and Graphics Processing Unit (GPU) cores, significant memory capacity, and high speed disk and network connectivity, designed to help you tackle your most difficult problems.

Low-Cost Supercomputing

High performance computers are often rack-mounted in a separate server room, with specific electricity and cooling system requirements – an investment typically made for use of the system by multiple groups.

Stationing a supercomputer beside your desk not only allows you to perform runs at your convenience, without having to schedule them around other people's projects, but their quiet running requires no special power or cooling setups. Just plug, program, and go.

Taking Tesla to the Next Level

Powered by NVIDIA Tesla™, the Pegasus-GPU workstation combines up to 3 GPUs with a powerful computing substrate of 4-16 processor cores, 16-256 GB RAM, and up to 40, 2.5" SATA/SAS drives to provide high performance I/O.

Not an Ordinary Workhorse

Pegasus systems provide true desktide supercomputing. Utilizing the latest multi-core processors with NVIDIA graphics and CUDA processing power that define "high performance," your tasks won't simply run, they will take flight.



Usable As:

- Desk-side supercomputer
- CAE Workstation
- Scientific/Research Workstation

Options

- Fast RAID I/O
- Up to 40 drives (2.5" SATA/SAS)
- Gigabit/ 10GbE/ InfiniBand



About Scalable Informatics

Scalable Informatics is a privately-owned, high performance computing solutions company focused on delivering pragmatic solutions for your computational problems. We design, build, and support high performance cluster, storage and workstation hardware, scalable and accelerated software, and offer support, consulting and development services.

Contact Us

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SYSTEM ARCHITECTURE	
4 to 16 AMD or Intel Cores 8 to 256 GB System Memory CentOS, Windows	
FEATURES	
<ul style="list-style-type: none"> • Excellent Performance • Low noise • One or more NVIDIA Tesla GPUs • One or more GA-180 (PXCAB) featuring IBM PowerXCell™ 8i Processors 	<ul style="list-style-type: none"> • Support for OpenCL • Multiple PCI-e slots • USB 2.0, Firewire 800 • DVD+/-RW • NEW: Cell-accelerator options
<ul style="list-style-type: none"> • Multiple Gigabit ports • 10 GbE/InfiniBand options • 500GB to several TB fast local disk 	
APPLICATIONS	
<ul style="list-style-type: none"> • Code Development Workstation: OpenCL or hand-tuned code development • Computational Node: Financial Modeling, Digital Media, Healthcare & Life Sciences, Image Processing, Manufacturing Inspection 	
STANDARD WARRANTY	WARRANTY OPTIONS
<ul style="list-style-type: none"> • 1 year parts exchange 	<ul style="list-style-type: none"> • Extended Warranty and next business day parts • Remote support • Depot on site