



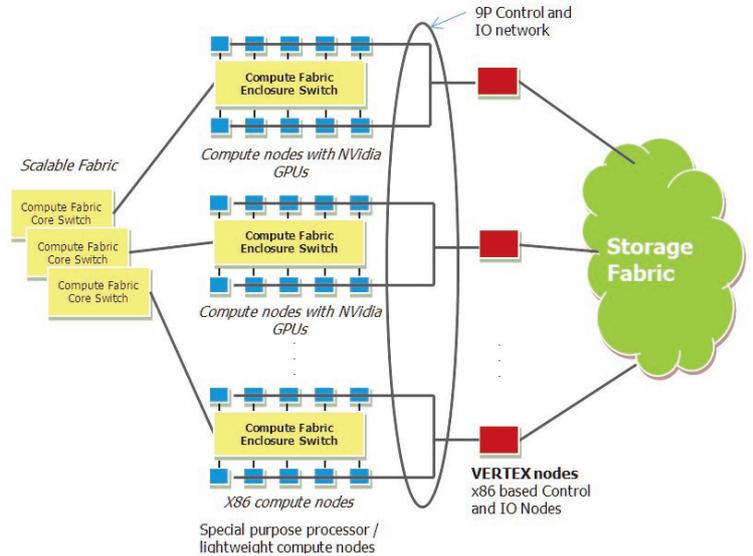
| by HPC Links

Setting New Standards  
in Hybrid Supercomputing  
[www.hpclinks.com/systems](http://www.hpclinks.com/systems)

### Hybrid Computing Systems (HybriCS)

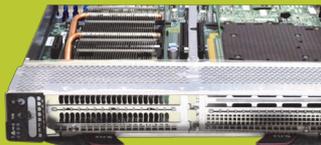
from HPC Links is a line of cluster products for all your hybrid and green supercomputing needs and can seamlessly scale from one blade to thousands of blades. Combining a set of power-optimized x86 as well as GPU hardware building blocks from Supermicro and Boston Ltd. with the trend setting VERTEX architecture and Open VERTEX 1.0 software platform from HPC Links, HybriCS is tailor-made for your most demanding HPC applications. These industry leading, hybrid computing software and hardware components bring unsurpassed value to your HPC datacenter in the form of:

- » Application Scalability
- » System Usability and Flexibility
- » Power and Cost Efficiency



### HybriCS USES LEADING EDGE HARDWARE FROM PARTNERS

- » Flexible architecture from Boston Ltd./ Supermicro offering up to 20 server nodes within a single 7U managed enclosure
- » Full support for GPU, Quad/ Dual CPU, TwinBlade and Storage Blades
- » Industry leading Hybrid GPU & CPU compute flexibility: Intel Xeon Series 5600 CPUs with NVIDIA Tesla M2070 GPU Acceleration
- » QDR Infiniband



Boston SuperFlex Blade™  
Optimized For Datacenter and Telecom Infrastructure

### HybriCS COMES WITH PRE-LOADED VERTEX SOFTWARE FROM HPC LINKS



[www.hpclinks.com/VERTEX](http://www.hpclinks.com/VERTEX)

is a Hybrid HPC platform architecture where control nodes transparently connect lightweight, heterogeneous compute nodes to storage and system services. VERTEX addresses the challenges posed by today's Hybrid HPC systems that use traditional CPUs as well as compute intensive processors such as GPGPUs, many-core, and Cell processors on the same HPC system. By employing a set of unique features, VERTEX provides unprecedented levels of ease-of-use, flexibility and scalability for commodity hybrid HPC systems.

HybriCS also deploys scalable Linux OS and system management as well as scalable Microsoft Windows HPC Server environments (without VERTEX).

HPC Links

Bringing down the barriers  
in high performance, multi-core and cloud computing.

25, Cottage Avenue, Montvale, NJ, 07645 USA  
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### HybriCS SYSTEM INTEGRATION SERVICES

- » Discovery, planning and system configuration
- » Parallel Application Programming
- » Cross-Platform Porting/Migration and Scaling
- » Linux Cluster System Administration
- » Windows HPC Server System Administration

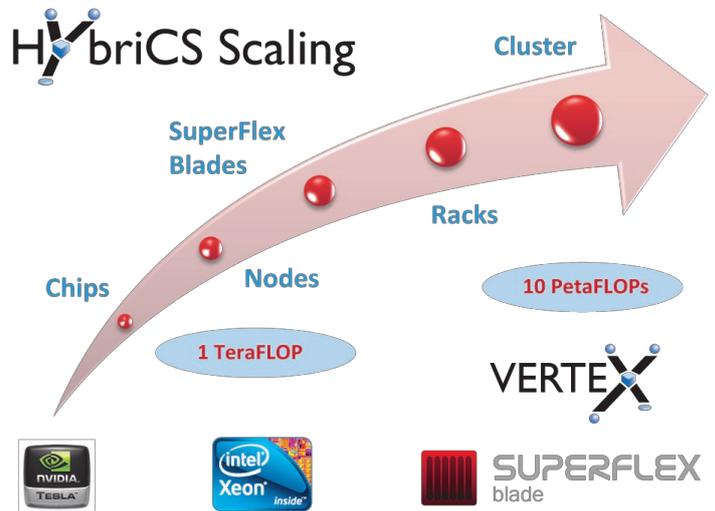
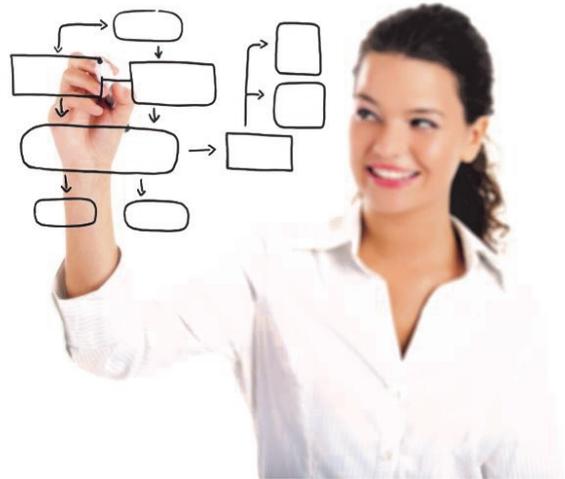
### VERTEX INTEGRATION AND SUPPORT SERVICES

- » Open VERTEX 1.0 installation, setup and configuration.
- » Provisioning customer specific network boot and sysroot images, as needed.
- » Post-sales support including issue resolution, bug fixes and periodic upgrades.
- » Integration with XCAT (for cluster management) & Lustre (for parallel IO).

### CUSTOM ENHANCEMENT SERVICES AROUND OPEN VERTEX 1.0 FOR HYBRICS

In order to bring the customer closer to an ideal VERTEX architecture experience, we also provide these custom enhancement services:

- » Architecture, design and setting up of the customer's HPC environment to run customer specified HPC applications on a custom VERTEX platform.
- » Customer specific add-on modules or integration to interface with in-house software or with 3rd party software.
- » Adding shared memory support for specific application environments.



### ABOUT HPC LINKS

HPC Links is a unique, world-wide provider of HPC, multi-core, and cloud computing systems, solutions and services. HPC Links' multi-disciplinary skill pool is led by a global team of experienced HPC professionals, with offices in both the United States and India. We help our customers gain competitive advantage through the deployment of high efficiency HPC systems, effectively linking hardware and software resources, and enabling parallel applications to solve their business problems.

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