Penguin Magna 2002

Accelerated Computing for HPC, Machine Learning

Penguin Magna 2002, powered by two OpenPOWER Power8 generation processors, is optimized for Accelerated Computing using NVIDIA Tesla family of GPUs and coprocessors. Magna 2002 supports NVIDIA Tesla K80 GPUs for Technical Computing and NVIDIA Tesla M40 for Machine Learning applications.

Penguin Magna 2001, Magna 1015 and Magna 2002 are our first systems based on OpenPOWER technology, providing additional choice to Penguin customers. Like all Penguin Computing systems, Magna systems run Linux operating system and Linux application stacks.

Penguin Magna systems are targeted for customers who are developing applications and evaluating hypervisor and application performance on OpenPOWER architecture. Popular open source cloud management frameworks like OpenStack are also available for Open-POWER based systems.

Penguin Magna systems, like all Penguin server platforms, is available with full rack level integration options, on-site deployment services and global technical support.

- Dual OpenPOWER POWER8 generation processors, 8-10 cores, 2.0-3.3GHz

- Up to 1TB of RAM

- Local storage: 2x 2.5" bays for boot drives

- PCI-E gen3 expansion slots for 2 NVIDIA Tesla K80 or M40 GPUs and for high speed network interfaces

- Redundant Power Supplies

For information, please contact:
sales@penguincomputing.com

Penguin Computing specializes in delivering turn-key High Performance Computing clusters and Data Center systems that include software solutions for cluster and workload management, high performance interconnects, storage systems and a power delivery infrastructure. All components are integrated in rack enclosures, configured for optimal performance by Penguin's HPC experts and ready to use.

Penguin systems are tested for compatibility with all major commercial and freely available Linux distributions and are available with Red Hat Enterprise Linux, SuSE Linux Enterprise Server or CentOS pre-installed.