PENGUIN SOLUTIONS

NEWS RELEASE

Penguin Computing Introduces Tundra OpenHPC™

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Penguin Computing, experts in high performance and enterprise computing solutions, today announced the OpenHPC™architecture that can support up to 108 high performance compute servers in a single rack with improved serviceability and investment protection. Penguin's OpenHPC™architecture is based on the Open Compute Project's Open Rack form factor that re-engineers the conventional data center rack for maximum power efficiency, serviceability and investment protection. Penguin Computing's OpenHPC™ Open Rack provides 36 Open Units (OUs) of space for compute equipment and dedicates additional space for shared power infrastructure and networking components. Using the new Penguin designed compute module three nodes can be mounted in each Open Unit, enabling deployments with up to 90 nodes within the dimensions of a traditional 42U rack. Using Intel E5-2600 V2 processors, each rack can provide over 40TFLOPS and nearly 50TB of RAM within the dimensions of a traditional 19" 42U rack. "The Open Compute Project started by addressing the needs of Facebook datacenters and large scale internet/cloud environments," said Charles Wuischpard, CEO of Penguin Computing. "As an OCP Solution Provider and leader in High Performance Computing solutions, we saw an opportunity to bring the benefits of OCP to the design and deployment of next generation supercomputers. Today's announcement of OpenHPC™ lays the foundation for future work in the areas of exascale computing, large scale distributed storage and open, software defined networking." "We are excited to see Penguin Computing introduce the Open Compute Project's design philosophy and standards to the High Performance Computing market," said Frank Frankovsky, Chairman and President of the Open Compute Foundation, "There are many similarities between todays largest internet data centers and supercomputing and the Open Compute Project benefits apply to both. Penguin OpenHPC™ is an example of innovation that we encourage from our OCP Solution Providers." Penguin offers Open Compute Ready™ compute, storage and interconnect solutions both for Open Rack and conventional 19" EIA racks. OpenHPC™ will expand Penguin Computing's traditional high performance computing solutions and establishes a new architecture for current and future high performance computing solutions. Penguin Computing will be exhibiting at Supercomputing '13 from November 18-21, in Denver, Colorado. For more information, please visit **www.penguincomputing.com**