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NEWS RELEASE

Penguin Computing Demonstrates New Open Compute Microserver Based on Intel® Atom™ Processor C2000 Product Family

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Penguin Computing, an official OCP Solution Provider, today demonstrated a new microserver platform based on the Intel® Atom™ processor C2000 product family. The microserver design is one of the first implementations that is built according to the Open Compute Project's microserver card specification. It can accommodate the 64-bit Intel Atom processor C2000 that features up to eight cores and up to 32GB of 1600 MHz of DDR3L RAM within power envelopes as low as 6W. Penguin's new microserver delivers new levels of efficiency and scale for internet datacenters. At the heart of this new microserver design is the Intel Atom processor C2000, a System on Chip that integrates processing cores, I/O and memory controllers on a single die. The Atom C2000 delivers a seven times the performance gain, eight times increase in memory capacity and up to six times improved performance per Watt over its predecessor. With its extremely low power envelope the new microserver is ideal for I/O bound scale out workloads such as low-end web hosting, simple content delivery and ultra low-end web servers. "Penguin Computing is at the forefront of delivering cutting edge server and storage solutions for the Open Data Center and our customers are focused on delivering the maximum compute and storage density within existing power and cooling constraints," said Charles Wuischpard, CEO of Penguin Computing."Due to its ultra-low power envelope, high density, expanded memory and 64-bit support for the x86 instruction set we've added designs based on the Intel Atom processor C2000 to our product roadmap that will be fundamental to our microserver-based solutions." With Penguin Computing's new microserver platform workloads that have been processed by racks of conventional systems can now be handled by a group of servers in a single physical unit. Penguin Computing's microserver platform features a modular architecture that allows for right-sizing compute capacity by populating each chassis with the right number of microserver cards required to accommodate a specific workload. "Penguin Computing is one of the leading providers of large-scale, Linux based cloud computing solutions," says Raejeanne Skillern, Director of Cloud Marketing, Intel . "Penguin Computing's latest microserver platform that is based on the Intel

Atom processor C2000 product family will enable our joint customers to leverage its energy efficiency and server density for lightweight scale-out workloads without the need to port tools and applications." The microserver cards as well as the microserver system are compliant with specifications defined by the Open Compute Project, an open, community driven initiative geared at maximizing datacenter efficiency. About Penguin Computing Penguin Computing is the largest private supplier of complete high performance computing (HPC) solutions in North America and has built and operates the leading specialized public HPC cloud service Penguin Computing on Demand (POD). Penguin Computing also applies its core expertise in the field of distributed large-scale enterprise computing delivering scale-out compute, storage, virtualization, and cloud solutions for organizations looking to take advantage of modern open data center architectures. Penguin Computing has been pioneering the concept of integrating and delivering solutions that are based on open architectures and comprise non-proprietary components from a variety of vendors. Penguin Computing's Arctica network switches are the first products on the market enabling customers to individually select hardware and software components. Penguin Computing is also one of only five authorized Open Compute (OCP) solution providers leveraging this Facebook-led initiative to bring the most efficient open data center solutions to a broader market. Penguin Computing has more than 18,000 systems installed with over 2,500 customers in 40 countries across several major vertical markets.