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Supermicro Introduces Next-Generation Storage Form Factor with New Intel "Ruler" All-Flash NVMe 1U Server and JBOF

Petabyte Scale, Thermally-optimized All-Flash 1U Storage Servers and JBOF support 32 hot-swap NVMe "Ruler" Drives in 1U of rack space

SAN JOSE, California, Nov. 28, 2017 /PRNewswire/ -- **Super Micro Computer, Inc.** (NASDAQ: SMCI), a global leader in enterprise computing, storage, networking solutions and green computing technology, today announced availability of a new all-flash NVMe™ (Non-Volatile Memory Express) 1U JBOF (Just a Bunch Of Flash) and 1U SuperServer with support for 32 hot-swap Intel "Ruler" form factor NVMe SSDs.



SuperStorage System and JBOF Chassis
Supporting 32 Intel® "Ruler" Form Factor SSDs

With a total of 32 hot-swap "Ruler" NVMe drives in a 1U system, Supermicro's new NVMe solution will provide all-NVMe capacity at petabyte scale in 1U of rack space as the company supports 256TB per system today and will support 512TB and then 1PB per system in the near future. NVMe technology was developed to unleash the best possible latency and provide faster CPU to data storage performance for advanced computing. Optimized for the new Intel® "Ruler" form factor, the new Supermicro system provides a more thermally optimized high-density, high-performance all-flash storage solution compared to previous all-flash storage technologies.

"With Supermicro 3.0, our enterprise customers benefit from the industry's broadest selection of first-to-market server and storage solutions with global reach, premium quality, RAS security, rack scale management and global services. Our new all-flash 32 hot-swap Ruler drives in a high-density 1U system design is the latest example of how Supermicro continues to lead the way for NVMe technology," said Charles Liang, President and CEO of Supermicro. "With more than triple the all-flash storage density of previous 1U solutions, this Supermicro system will take us to Petabyte scale in a single 1U system in the near future. This new JBOF supports flexible configurations with up to twelve hosts or head nodes and extremely high data transfer throughput up to 64GB per second."

The new 1U all-NVMe Storage Server and JBOF disaggregate storage into shared pools that are rapidly becoming the preferred hardware infrastructure for demanding Big Data analytics applications such as autonomous driving and real-time financial fraud detection. Up to 12 hosts can be directly connected to the 1U pooled NVMe storage. Alternatively, for customers who want to deploy an NVMe over Fabric (NVMeoF) solution, hundreds of hosts can be connected to the pooled high-performance NVMe storage over Ethernet. Supermicro 1U all-NVMe Storage Servers and JBOF solutions help maximize high-performance storage resource utilization and reduce the datacenter footprint resulting in lower TCO.

Supermicro's new all-flash 32 drive NVMe 1U system supports not only Intel "ruler" form factor SSDs, but also standard U.2 SSDs to offer customers greater storage flexibility. This 1U system will support a half petabyte of NVMe storage capacity this year and a full petabyte early next year. The system comes standard with redundant hot-swap cooling fans and power supplies along with tool-less drive trays for increased serviceability and redundancy. For accessibility, the solution supports remote system on/off and system management as well as remote power cycling for each individual drive. For more

information on this new JBOF, please go to:

<https://www.supermicro.com/products/system/1U/136/SSG-136R-NR32JBF.cfm>

This innovative high-end all-flash 1U system is the newest addition to Supermicro's extensive portfolio of industry leading storage servers and JBOD product lines. With 2U, 3U and 4U offerings that include all-flash NVMe, Simply Double, double-sided and top-loading options with SAS3 RAID or HBA controllers, Supermicro provides the industry's broadest selection of storage products to meet today's stringent customer requirements.

For comprehensive information on Supermicro storage product lines, please go to

<https://www.supermicro.com/products/nfo/storage.cfm>.

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About Super Micro Computer, Inc. (NASDAQ: SMCI)

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