Get the freedom to choose without compromise with Qumulo and Supermicro
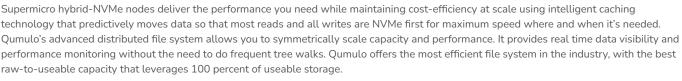
With data growing rapidly, budgets tightening and rackspace in a datacenter at a premium, administrators often make the impossible choice between price, performance, and scale. Qumulo powered by Supermicro brings customers the freedom to choose the performance and scale that meets the needs of their most advanced use cases with economics that meet their budgetary realities.

Big Performance, Small Footprint

Qumulo powered by Supermicro gives you the scale and performance you need in an economical and environmentally friendly form factor. All-NVMe provides lightning fast reads and writes and unparalleled throughput to support your most advanced performance requirements. Optimizing for storage performance and trimming the unnecessary fat results in a highly economical platform.

Hybrid-NVMe for performance and economy

Qumulo and Supermicro's all-new hybrid-NVMe platform delivers greater performance efficiency with a single Supermicro deployment. No longer must you trade off economy for performance (or vice versa) or require multiple vendors to address both. Qumulo on new Supermicro hybrid-NVMe nodes deliver the performance you need while maintaining cost-efficiency at scale using intelligent caching technology that predictively moves data so that most reads and all writes are NVMe first for maximum speed where and when it's needed. Qumulo's advanced distributed file system allows you to symmetrically scale capacity and performance. It provides real time data visibility and performance monitoring without the need to do frequent tree walks. Qumulo offers the most efficient file system in the industry, with the best raw-to-useable capacity that leverages 100 percent of useable storage.

Built for the Hybrid Cloud

Qumulo's file system is built for the hybrid cloud, providing a single file solution whether your data is in the cloud or on-prem. Users can burst compute in Amazon Web Services, Microsoft Azure or Google Cloud and shift primary workloads to the cloud without application changes.

Freedom to Choose

Qumulo is designed with platform flexibility in mind. Qumulo customers can drive down costs through a broad choice of hardware at different performance levels. Our software architecture runs on standard hardware provided by Supermicro and other partners. The ability to mix node manufactures such as the new Supermicro nodes with older hardware in a cluster allow Qumulo customers to get the most out of their infrastructure investment while taking advantage of the latest hardware enhancements.

Key Benefits

- Designed to achieve high performance at an economical price

- Save data center space with a 1U server chassis footprint

- Reduce power and cooling with small physical footprint

- Support green IT initiatives with reduced space and resource needs

- Ensure success with world class support provided by Qumulo

Model	Supermicro A+ ASG-1014S 240 TB (General Purpose)	Supermicro A+ ASG-1014S 216 TB (General Purpose)	Supermicro A+ ASG-1014S 240 TB (Active)	Supermicro A+ ASG-1014S 216 TB (Active)	Supermicro A+ ASG-1014S 96 TB (Active)
Form Factor	1U				
Node raw capacity	240 TB	216 TB	240 TB	216 TB	96 TB
Usable Max Capacity (100 node cluster)	24 PB	21.6 PB	24 PB	21.6 PB	9.6 PB
NVMe drives (Non-Volatile Memory Express)	4×1.92 TB, 4x3.84TB, or 4x7.62 TB NVMe		4×1.92 TB, 4x3.84TB, or 4x7.62 TB NVMe		4×960 GB, 4x1.92 TB, or 4x3.84 TB NVMe
HDD	12 × 20 TB	12 × 18 TB	12 × 20 TB	12 × 18 TB	12 × 8 TB
Networking option 1	2 × 25 GbE (1 × Mellanox ConnectX-4 Lx NIC)		2 × 100 GbE (1 × Mellanox ConnectX-6 NIC)		
Networking option 2	2 × 25 GbE (1 × SMC AOC-S25G-b2S NIC)		2 × 100 GbE (1 × SMC AOC-S100G-b2C NIC)		
CPU	AMD EPYC 7232P 8-Core Processor				
Memory	96 GB (6 × 16GB)				

	Supermicro All-NVMe nodes		
Model	Supermicro A+ WIO 1114S-WN10RT All-NVMe **30TB**	Supermicro A+ WIO 1114S-WN10RT All-NVMe **76TB**	Supermicro A+ WIO 1114S-WN10RT All-NVMe **153TB**
Form Factor	1U	1U	1U
Node raw capacity	30 TB	76 TB	153 TB
Usable Max Capacity (100 node cluster)	2.2 PB	5.7 PB	11.4 PB
NVMe drives (Non-Volatile Memory Express)	8 x 3.84 TB	10 x 7.68 TB	10 x 15.36 TB
Networking	4 x 100 GbE	4 x 100 GbE	4 x 100 GbE
CPU	24 core 2.8 Ghz	24 core 2.8 Ghz	24 core 2.8 Ghz
Memory	128GB	128GB	128GB

About Qumulo

Qumulo is the radically simple way to manage petabyte-scale data anywhere – edge, core or cloud – on the platform of your choice. In a world with trillions of files and objects comprising 100+ Zettabytes worldwide, companies need a solution that combines the ability to run anywhere with simplicity. This is precisely what Qumulo was founded to accomplish. www.qumulo.com

About Supermicro

Supermicro (Nasdaq: SMCI), a leading innovator in high-performance, high-efficiency server and storage technology is a premier provider of advanced server Building Block Solutions for Enterprise Data Center, Cloud Computing, Artificial Intelligence, and Edge Computing Systems worldwide. Supermicro is committed to protecting the environment through its "We Keep IT Green" initiative and provides customers with the most energy-efficient, environmentally-friendly solutions available on the market. www.supermicro.com