DATA SHEET

Qumulo on Arrow

Get the freedom to choose without compromise with Qumulo and Arrow

Data is growing at an unprecedented rate. Today's organizations are challenged with keeping up with the rapid pace of data growth, as well as ensuring that their storage platform meets their specific capacity and performance needs.

Performance-intensive apps need the speed of NVMe all-flash storage to ensure the highest possible throughput and the lowest latency. Data-intensive workloads are focused on storing lots of data, and while they can also benefit from the write performance of flash, their primary objective is high capacity.

All-flash speed for your most demanding apps

Whether you need high performance, high capacity, or a balance of both, Qumulo's file system was uniquely engineered to deliver whatever your apps need, with a broad range of all-flash storage hardware for maximum throughput. All Qumulo storage clusters deliver high ingest performance for all workloads with flash-first writes. With all-NVMe flash nodes from Arrow, you'll see high performance for all read operations too.

Hybrid-NVMe for performance and economy

On Arrow's hybrid-node hardware, Qumulo's intelligent ML-driven prefetch algorithms ensure that up to 90% of all reads are also from flash storage, while the disk tier delivers high capacity to let you store large amounts of data.

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. Combine your Qumulo on-premises storage with Azure Native Qumulo on Azure or Cloud Native Qumulo on AWS to enable burst compute capabilities, to add ransomware and DR protection, or even shift primary workloads to the cloud, all at a comparable cost to your on-premises storage.

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 Arrow and other partners. The ability to mix node manufactures such as the new Arrow 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

- **Scales to billions of files**
  Use any mix of large and small files and store as many files as you need. There is no practical limit with Qumulo's file data platform advanced file-system technology. There is no penalty for small files.
- **Real-time control at scale**
  Get answers and solve administration problems in real time, no matter how many files and directories you manage.
- **Persistent Performance**
  Qumulo's Persistent Performance class is the leading All-NVMe file storage system on the market. High throughput and incredible low-latency enable unparalleled read and write performance.
- **Cached Performance**
  Qumulo's Cached Performance class is the highest performance hybrid file storage system in the data center and in the cloud. The flash-first file data platform leverages Qumulo's machine learning-based predictive caching to ensure most reads are off of flash.
- **Active Archive**
  The Active Archive class, with its fast read times, makes all of your valuable data, no matter how long it's been archived, immediately available to you.

Qumulo

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Qumulo on Supermicro

NVMe / HDD Hybrid Platforms							
Model	C-192T	C-432T	K-432T	AH48T	QVRG2-96T	QVRG2-240T	AH576T
License Class	Active	Active	GP	Active or GP	Active or GP	Active or GP	Active or GP
Form Factor	2U			1U			2U
Node raw capacity	192 TB	432 TB	432 TB	48 TB	96 TB	240TB	576 TB
NVMe drives	6 x 1.6 TB	6 x 3.2 TB	6 x 1.6TB	3 x 960 GB or 3 x 3.84TB	4 x 960 GB or 4 x 1.92 TB or 4 x 3.84 TB	4 x 1.92 TB or 4 x 3.84 TB or 4 x 7.68 TB	6 x 3.2 TB
HDD	24 x 8 TB	24 x 18TB	24 x 18TB	6 x 8TB	12 x 8T TB	12 x 20 TB	24 x 24 TB
Networking Option 1	2 x 100GbE	2 x 100GbE	2 x 25GbE	2 x 25GbE (Active or GP licensing)	2 x 25GbE (Active or GP licensing)	2 x 25GbE (Active or GP licensing)	2 x 25GbE (Active or GP licensing)
Networking Option 2	N/A			2 x 100GbE (Active or GP licensing)	2 x 100GbE (Active Licensing)	2 x 100GbE (Active Licensing)	2 x 100GbE (Active or GP licensing)
CPU	AMD EPYC 7282			2x INTEL Xeon Silver 4210	2 x INTEL Xeon Bronze 3204 or 2x INTEL Xeon Silver 4210		AMD EPYC 8124P
Memory	128 GB			96 GB	64 GB (GP Licensing) or 96 GB (Active licensing)		128 GB

All-NVMe Platforms				
Model	QVRNVME-G1-46T	QVRNVME-G1-92T	QVRNVME-G1-184T	QVRNVME-G1-245T
License Class	Active			
Form Factor	1U			
Node raw capacity	46 TB	92 TB	184 TB	245 TB
NVMe drives	6 x 7.68 TB	12 x 7.68 TB	12 x 15.36 TB	16 x 15.36 TB
Networking	2 x 100GbE			
CPU	AMD EPYC 9254			
Memory	192 GB			128 GB

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 Arrow

Arrow Electronics enables IT providers to innovate through technology by combining Arrow's global Enterprise Computing Solutions and Arrow Intelligent Solutions businesses to deliver a comprehensive services portfolio to Qumulo customers. Arrow's Enterprise Computing Solutions business is a single point of contact for ordering, financing, and processing Qumulo's software and hardware. Arrow's Intelligent Solutions business provides design, manufacturing, and support services. www.arrow.com