



# SUPERMICRO AND QUMULO ADVANCE COLLABORATIVE, HIGH-PERFORMANCE MEDIA AND ENTERTAINMENT WORKFLOWS

*Supermicro & Qumulo Solutions for the Media and Entertainment*



**A+ Single AMD EPYC™ 7003/7002 Series All-Flash NVMe Platform - AS -1114S-WN10RT**

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## Executive Summary

Supermicro’s Qumulo file storage solution bundle provides a modern infrastructure for data-driven media and entertainment organizations and meets the needs of today’s in-house and remote creative teams for post-production, animation and visual effects, games production, broadcast, and corporate video production.

Qumulo’s file system provides reliable, high-performance data access to speed creativity and collaboration, as well as robust management, storage, and protection for petabyte levels of HD, 4K, and 8K content across on-prem and public cloud environments. In addition, Qumulo’s file system is designed to provide support and visibility for billions of files, with easy scalability to enable rapid growth and expansion.



## SUPERMICRO

Supermicro (Nasdaq: SMCI), the 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](http://www.supermicro.com)

By leveraging Amazon Web Services (AWS) or Google Cloud, if needed, Qumulo enables media and entertainment organizations to quickly and easily burst to compute power to the cloud to create render farms on demand to support rendering and production processes. In addition, studios can spin up complete cloud production environments on-prem with Qumulo providing multi-location production teams with access to the applications and content they need to collaborate more effectively and meet project deadlines faster. This flexibility eliminates the barriers and complexities of legacy storage, enabling media organizations to address today’s rapidly changing production pipeline requirements quickly and easily.

## Performance to Speed Workflows

Media organizations can utilize Supermicro’s All-NVMe platforms that provide low latency and ultra-fast performance to accelerate collaboration, creativity, management, and delivery. In addition, Qumulo’s file data platform provides fast data access and powers rendering on-prem or in cloud environments, together with cost-efficient content storage, in one solution - no complex tiering required.

## Harness the Power of the Cloud When Needed



## SOLUTION BENEFITS

- Accelerate performance, collaboration, and productivity to speed media workflows
- Fast, reliable user responsiveness to all media applications
- Cloud-native software enables creative teams to work anywhere in the world
- Burst cloud compute power for rendering, if needed
- Create a studio in the cloud for cloud-based editorial collaboration
- Simple scalability to support petabyte-scale capacities for billions of large and small files
- API-first design for simple application integration to automate workflows
- Built-in enterprise-level content security and protection
- Optimize creative environments, simplify resource management and reduce costs with real-time analytics
- Be delighted with Qumulo's unique approach to customer success
- High performance with Supermicro's All-NVMe platform

### Enhance Collaboration and Optimize Workflows

Qumulo's file data platform, used by leading media and entertainment organizations, integrates seamlessly with existing applications. Qumulo's file system creates a single pool of storage that supports SMB and NFS file protocols. Artists, editors, and producers, including those working remotely, can easily access all content, create and edit content, and render from the same volume. Supermicro's All-NVMe high-performant, economical platform in a sleek 1U form factor, combined with Qumulo's file data platform, lets you securely store, dynamically scale, and easily manage petabyte-scale file data. In addition, with Qumulo's advanced API, media and entertainment organizations can automate and optimize applications to further enhance workflows.

### Simple Scalability and Enterprise-Level Protection

Managing rapid growth demands is easy with Qumulo. With its modular architecture, media and entertainment organizations can use Qumulo's file data platform to expand capacity and support billions of files and petabyte-levels of data, on-prem or in the cloud, without disruption or downtime. Qumulo provides built-in enterprise-level data protection using erasure coding, local and remote snapshots, and continuous replication to ensure that data is preserved for the long term and always available.



## Built-In, Real-Time Operational Analytics for Control

Qumulo provides built-in, real-time operational analytics that provides visibility to the entire creative environment, including workstations, storage usage, throughput, latency, and more, to enable administrators to optimize the environment to support maximum productivity to quickly and easily manage issues and help plan for future requirements.

## Customer Support That Will Delight You Today and Into The Future

Supermicro and Qumulo file storage solution is available through a simple subscription model that covers everything, including upgrades, new features, and support to help make costs transparent. Qumulo's award-winning customer success team provides instant access to a dedicated storage expert via communication tools such as Slack. This ability ensures your teams have the support you need right away to keep the creativity flowing.

| Supermicro All-NVMe |                            |
|---------------------|----------------------------|
| Server model        | AS -1114S-WN10RT           |
| Form Factor         | 1U server                  |
| Configurations      | 30TB, 76TB, 153TB per node |
| CPU                 | AMD EPYC 24 core 2.8 GHz   |
| Network Port        | 4 x 100GbE                 |
| MGMT Port           | Base-T (RJ45)              |
| Memory              | 128GB                      |

## Conclusion

Supermicro and Qumulo file storage solution takes advantage of AMD All-Flash NVMe Platform and Qumulo Core File management system, accelerates performance and productivity to your media workload, and makes data management cycle easy.

## For more information

<https://www.supermicro.com/en/solutions/qumulo>

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### ABOUT QUMULO

Qumulo is the leading file data platform for multi-cloud environments, providing unrivaled freedom, control and real-time visibility for file data at massive scale. Fortune 500 companies, major film studios, and the largest research facilities in the world trust Qumulo to help them innovate with their mission-critical digital files. The Qumulo experience makes file data management simple with continuous new features, a single solution for all workloads, and access to customer success experts on your schedule.

[www.qumulo.com](http://www.qumulo.com)