FlashSystem C200:

Optimized for high-capacity workloads

QLC all-flash storage with TLC endurance

Highlights

Fixed configuration with 1.1 PB raw in 2U, up to 2.3 PB effective

Enhanced QLC Everywhere

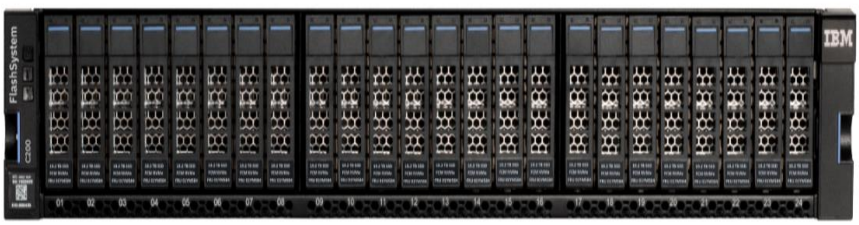
Energy efficient storage with a reduced datacenter footprint

5.5x more write cycles than industry standard QLC drives

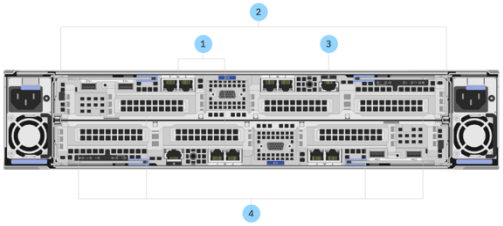
A high density and high-capacity all-flash storage array solution, FlashSystem C200 is an ideal choice for archive, backup, media streaming, and data repositories traditionally stored on HDD arrays. It delivers a balance of cost, performance, and capacity with the reliability and energy efficiency of Flash storage that can help you to lower your storage TCO compared to NL-SAS disk-based options.

Optimized for capacity, this high-density storage solution requires 71% less rack space, 43% less power, and 2.4x more throughput compared to storage arrays using 16TB HDD. It is ideal for customers looking to modernize, consolidate, and optimize their storage environment.

- **Highly available**: snapshots, replication, and disaster recovery capabilities enable high availability failover protection.
- **Always secure**: robust security including role-based access control, encryption, and secure erase, help to safeguard your data from unauthorized access.
- **Non-disruptive data mobility**: seamless integration to the FlashSystem grid, maximizing the value of your storage environment by using AI-driven management, scaling, and workload placement to enable automatic movement of colder workloads



Modernize, consolidate, and optimize your storage.



1. Onboard 10 Gb RJ45 Ethernet
2. 2. 2 Controller modules
3. 3. RJ45 Management Port
4. 4. Interface card slot 32 Gb and 16 Gb FC, 25 Gb Ethernet, and 10 Gb Ethernet ports are for FC and iSCSI connectivity with optional 12 Gb SAS ports for host attachment and expansion enclosure attachments

Fixed configuration with 1.1 PB raw in 2U, up to 2.3 PB effective
The extreme density provided by FlashSystem C200 significantly saves on physical space compared to traditional disk-based storage solutions while also delivering all the benefits you expect from an all-flash array including enhanced reliability and energy efficiency. With up to 10x better performance than HDD storage, FlashSystem C200 can improve your ability to support demanding business requirements.

Enhanced QLC everywhere
The volume of data organizations need to store continues to expand rapidly. FlashSystem C200 is a great fit for many workloads that would traditionally be placed on HDD storage such as archives, backups, video, and other data repositories where the absolute lowest latency is not needed. By placing these workloads on FlashSystem C200, you also gain the benefits of the same enterprise grade security and availability as the entire FlashSystem family, making it the perfect solution for disaster recovery use cases.

Energy efficient storage with a reduced datacenter footprint
The exponential increase in data generation and collection across areas such as business operations, research, and digital media to name a few, is driving the need for ever larger storage capacities. Traditional HDDs consume more power and generate more heat as their capacity increases. This trend, coupled with the escalating demand for storage, can lead to continuously increasing energy consumption and cooling requirements. FlashSystem C200 can reduce energy needed by 43% compared to a HDD array using 16TB drives.

FlashSystem C200 provides energy efficient storage while also delivering much higher storage density than traditional HDD storage arrays. Since FlashSystem C200 storage generates less heat, the possibility to downsize or eliminate expensive cooling infrastructure can save significant datacenter costs. This also lessens the environmental impact associated with power-hungry cooling systems.

5.5x more write cycles than industry standard QLC drives
FlashSystem C200 uses QLC drives, which ensures that data is laid out across all active flash modules in the system, providing benefits for data retrieval. This helps to improve performance, as data is more evenly distributed and can be accessed quickly. It also provides better reliability compared to using HDD arrays, as data is not concentrated on a single module, reducing the risk of data loss.

Unlike other storage offerings using QLC drives, FlashSystem C200 enables 5.5x more write cycles than industry standard QLC drives, delivering significantly better endurance. This enables you to use our cost efficient QLC flash storage for both high I/O workloads such as media streaming, as well as cold yet critical workloads where immediate access might be needed, such as disaster recovery.

For more information

To learn more about FlashSystem C200, contact your IBM representative or IBM Business Partner or visit www.ibm.com/flashsystem.

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