

IBM FlashSystem 5200 product highlights

Small footprint. Huge impact.

Highlights

1 unit

Accelerate workloads in a single, affordable rack unit.

100% availability¹

Support mission-critical applications with the highest availability levels.

Up to 1.7 PB

Start small with only a few drives and grow as your business requires, from up to 1.7 PB in 1 unit to 32 PB.

Built with

IBM Spectrum Virtualize

Software foundation delivers enterprise-grade data services for IBM FlashSystem 5200.

Cyber resilience with

IBM Cyber Vault

Speed and simplify cyberattack detection and recovery.

IBM FlashSystem® 5200 offers the affordability, performance, scalability, protection and management simplicity your enterprise needs—all in one compact, powerful flash storage solution.

- *Designed for security*
Cyber resilience solutions to speed cyberattack detection and recovery
- *Hybrid cloud storage capabilities*
Scalable support for private, public and hybrid cloud deployments
- *Affordability without compromise*
Economic all-flash storage solution to meet your capacity and budget needs
- *High performance and resilience*
Powerful entry-level NVMe all-flash storage with enterprise-grade capabilities

Optimize hybrid cloud while increasing business agility

Hybrid cloud integration can save you time and money while future-proofing your data center. IBM FlashSystem 5200 extends its capabilities and data services across the public and private cloud as well as on-premises environments. Grow your hybrid cloud with the flexibility to start small and scale as business demands.

With [IBM Spectrum® Virtualize for Public Cloud](#), you get real-time, storage-based data replication and disaster recovery as well as data migration between your existing on-premises infrastructure and leading cloud providers. Integrating on-premises architecture with public cloud services such as IBM Cloud®, Amazon Web Services (AWS), and soon, Microsoft Azure, increases business agility and keeps data more resilient and secure.



Increase efficiency, reduce costs

Built with IBM Spectrum Virtualize, IBM FlashSystem 5200 offers enterprise-class capabilities such as deduplication, innovative data reduction options with compression, and automated thin provisioning—all of which improve capacity and efficiency so you can store more in less space. AI-driven IBM Easy Tier® automatically migrates frequently accessed data to your high-performing flash storage, balancing cost and performance. These and additional data services can be extended to over 500 heterogeneous storage systems, delivering performance and efficiency for existing systems. And with better performance and a consolidated, tiered storage environment, you can use less space, which reduces your footprint, maintenance expenses and other operating costs.

- *Data-reduction guarantee*
2:1 self-certified or up to 5:1 with workload profiling²
- *No-cost migration*
90-day, no-cost data migration from over 500 storage controllers, both IBM and non-IBM
- *Densest flash drives available in the market³*
IBM FlashSystem 5200 supports unique IBM FlashCore® Modules, which offer 3:1 compression and encryption with no performance impact.

Modernize with NVMe and AI

IBM FlashSystem 5200 is optimized for robust NVMe with the flexibility to choose between and mix IBM FlashCore Modules, industry-standard NVMe drives and storage-class memory to boost your productivity. NVMe flash accelerates workloads while reducing storage latency, so you're always delivering with speed and high availability.

Optimized with cloud-supported, predictive AI-based analytics, [IBM® Storage Insights](#) allows you to monitor changes in your storage capacity and performance levels in real time, identify issues and resolve them quickly with automated support features.

- Speed business decisions with uncommon performance for entry space.
 - Less than 70 microsecond latency
 - Up to 1.5 million IOPs in 1 unit and 21 Gbps throughput
- Improve the health and performance of your infrastructure with Storage Insights.
 - Resolve 66% of system issues automatically.
 - Speed action plan by 40% after a case is opened.

IBM FlashSystem 5200 combines high availability and security to deliver data resilience. Capabilities include six-nines availability, IBM FlashCopy®, nondisruptive data migration and remote mirroring using IBM HyperSwap® technology.

The solution also offers hardware encryption and IBM Safeguarded Copy, which provides immutable and isolated data copies to protect against cyber risks. Safeguarded Copy helps protect data recovery from user errors, malicious destruction or ransomware assaults, enabling uninterrupted data access.

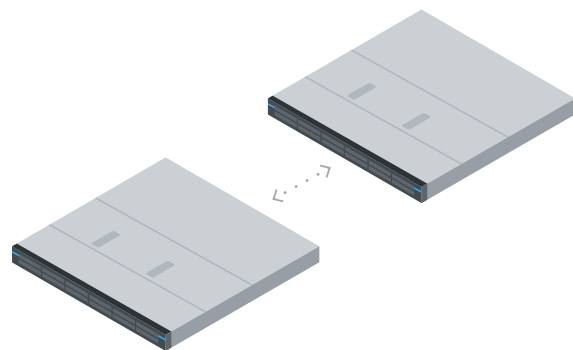


Figure 1: IBM HyperSwap provides enhanced high availability: active/active, metro synchronous replication, zero RPO and RTO, and nondisruptive data movement.



Cyber resilience with Cyber Vault

Cyberthreats are constantly growing, and attacks burden organizations with a 21-day average recovery time. Building on IBM Safeguarded Copy, IBM FlashSystem Cyber Vault helps reduce cyberattack recovery times from days to hours.

IBM Cyber Vault is designed to help speed all phases of cyberattack detection and recovery. The solution runs continuously, monitoring snapshots that Safeguarded Copy automatically creates, checking them for corruption. When changes are observed that may indicate an attack, Cyber Vault also identifies the latest “clean” snapshot. This makes recovery to that point much simpler and faster. New IBM FlashSystem storage provides the performance to deploy these cyber resilience tools without compromising application capability.

Dive deeper into IBM FlashSystem 5200

IBM FlashSystem 5200 is a future-ready flash storage solution for the entry space. Organizations of all sizes can now choose a consolidated, flexible storage solution that scales up as business needs evolve—all within the IBM FlashSystem family’s streamlined, one-platform model.

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Technical specifications

Software	IBM Spectrum Virtualize IBM Storage Insights
Host interface	10 Gbps Ethernet (iSCSI), 25/10 Gbps Ethernet (iSCSI, iSER—iWARP, RoCE v2), 16 Gbps Fibre Channel (FC, FC-NVMe), 32 Gbps Fibre Channel (FC, FC-NVMe), 12Gbps SAS
Supported drives	2.5-inch NVMe IBM FlashCore Modules (FCM): – 4.8 TB, 9.6 TB, 19.2 TB and 38.4 TB self-compressing FCM 2.5-inch NVMe flash drives—industry standard: – 800 GB, 1.92 TB, 3.84 TB, 7.68 TB, 15.36 TB and 30.72TB Storage Class Memory (SCM): – 1.6 TB
Scalability	IBM FlashSystem 5200 can scale out and up and operate as a single system: – Scale out up to 4 systems – Scale up to 20 2U expansion enclosures or up to 8 5U expansion enclosures 32 PB
Maximum drives supported	748 per control enclosure; 2,992 per clustered system IBM FlashSystem 5200 control enclosures support the following expansions: – Small form-factor enclosure: 24 x 2.5 in. drives – Large form-factor enclosure: 12 x 3.5 in. drives – High-density expansion enclosure: 92 x 3.5 in. drives
RAID levels	Distributed RAID 1, 5 and 6
Control enclosure dimensions and weight	Height: 4.3 cm (1.7 in.) Width: 44.6 cm (17.5 in.) (19 in. rack standard) Depth: 77.0 cm (30.3 in.) Weight: Fully configured (12 drive modules installed): 19.5 kg (43.0 lb)

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- 1 100% guarantee with HyperSwap when deployed by IBM Lab Services
- 2 Requires signed contract
- 3 38.4 TB FlashCore Modules compared to largest industry standard drive capacity of 15.3 TB

