1 unit

Accelerate workloads in a single, affordable rack unit.

100% availability[1]

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 FlashSystem 5200.

Supported by IBM Storage Expert Care

Quick, easy support to reduce deployment and operational risks.

IBM FlashSystem 5200

Small footprint. Huge impact.

Storage made simple for all

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

— **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. FlashSystem 5200 extends its capabilities and data services across 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 resilient and secure.

[1] 100% guarantee with Hyperswap when deployed by IBM Lab Servers

Increase efficiency, lower costs

Built with IBM Spectrum Virtualize, 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 legacy 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 profiling.[2]

— **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 market**[3]
   FlashSystem 5200 supports unique FlashCore Modules, which offer 2:1 compression and encryption with no performance impact.
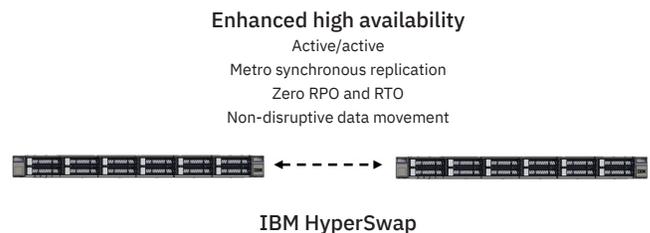
Modernization with NVMe and AI

FlashSystem 5200 is optimized for end-to-end NVMe with the flexibility to choose between and mix 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 unprecedented performance for entry space**
   Less than 70 microsecond latency.
   Up to 1.5 million IOPs in 1 unit and 21 GB/s throughput.

— **Improve the health and performance of your infrastructure with Storage Insights**
   66% of system issues resolved automatically.
   40% faster action plan after a case is opened.

FlashSystem 5200 provides high availability and ultimate data resiliency with data security features: non-disruptive data migration and remote mirroring using IBM HyperSwap® technology, six-nines availability, FlashCopy, and hardware-accelerated data-at-rest encryption.

Enhanced high availability
Active/active
Metro synchronous replication
Zero RPO and RTO
Non-disruptive data movement

IBM HyperSwap

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 FlashSystem family's streamlined, one-platform model.

[Dive deeper into IBM FlashSystem family →](#)

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[2] Requires signed contract
[3] 38.4TB FCM compared to largest industry standard drive capacity of 15.3TB

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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) 16 Gbps Fibre Channel (FC, FC-NVMe), 32 Gbps Fibre Channel (FC, FC-NVMe)

Supported drives	2.5-inch NVMe 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 and 15.36 TB
	Storage Class Memory (SCM):
	  — 375 GB, 750 GB, 800 GB, 1.6 TB

Scalability	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-inch drives
	  — Large form-factor enclosure: 12 x 3.5-inch drives
	  — High-density expansion enclosure: 92 x 3.5-inch drives

RAID levels	Distributed RAID 1, 5 and 6
Cores per control enclosure /per clustered system	16/64
Cache per control enclosure /per clustered system	64 or up to 512 GB/256 GB or up to 2.04 TB
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)

IBM FlashSystem 5200

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