

IBM FlashSystem family

Efficient all-flash and hybrid solutions with enterprise-class performance and functionality

Highlights

- Get faster insights with NVMe acceleration
 - Improve your business agility with enterprise-class storage capability
 - Transform the economics of data storage using data reduction technologies
 - Optimize tiered storage—including flash storage—with IBM Easy Tier
 - Complement on-premises storage of all types with hybrid cloud capability
 - Address security needs by encrypting data on existing storage
 - Leverage AI to optimize configurations and streamline issue resolution
 - Enable near-continuous availability of applications through data migration
 - Scale seamlessly, get higher flexibility and protect your investment
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These days, to achieve acceptable levels of insight and accuracy, analytics and AI applications are consuming enormous amounts of data¹. Managing, moving and storing large data volumes with great efficiency and enough performance to derive maximum value from data assets requires a modern IT infrastructure with wide-ranging capabilities, from intelligent system optimization and powerful data reduction, through comprehensive security and encryption features, multicloud sharing and access, and, of course, ultra-low-latency flash storage.

The IBM FlashSystem family, within the IBM Storage portfolio, is designed to meet the full range of enterprise storage needs from entry to mid-range to high-end systems that extend to your hybrid multicloud storage deployments. All based on a common storage software platform that works seamlessly across all deployment types and also supports your existing storage estate, whether the storage is from IBM or many other vendors to efficiently meet the challenges of rapid data growth and constrained IT budgets.

The FlashSystem family provides especially powerful solutions with comprehensive storage services and multiple all-flash and hybrid-flash options, offering feature-rich, affordable, enterprise-grade storage solutions for the cognitive business looking to grow and thrive.

Built with IBM Spectrum Virtualize software, the IBM FlashSystem family is an industry-leading storage solution that includes technologies that both complement and enhance virtual environments to achieve a simpler, more scalable and cost-efficient IT infrastructure. As the pace of innovation continues to accelerate, the FlashSystem family offers integration points to enable efficient, cost-effective hybrid cloud storage solutions to accommodate dynamic needs and specific business priorities. Available in a wide range of storage solutions, the FlashSystem family delivers sophisticated capabilities that are easy to deploy, yet also help control costs for growing businesses.

Benefit from award-winning capabilities

The FlashSystem family uses IBM Spectrum Virtualize, proven software that provides the same interface and similar functions across the product line. As a strategic element in the success of the IBM storage business, the FlashSystem family is designed for future growth over time.

Designed to deliver comprehensive capabilities for storage efficiency, the FlashSystem family enables users to dedicate fewer of their scarce resources to IT infrastructure—and more to implementing new applications to support the business. This is possible through the innovative built-in capabilities of FlashSystem systems, which allow users to:

- Significantly improve performance with end-to-end NVMe flash solutions
- Store up to five times data in the same space² using powerful data reduction pools (DRP) technology
- Move data and applications nondisruptively between data centers with IBM HyperSwap
- Support hundreds of external, heterogeneous storage systems from a wide variety of vendors
- Deploy flash storage cost-effectively and optimize data placement among different tiers of storage, helping maximize performance while limiting costs of multi-tier systems
- Implement hybrid cloud capabilities rapidly and with existing on-premises storage
- Benefit from integration with modern data protection tools, cyber resiliency capability such as encryption and cloud "air gap" snapshots
- Experience advanced capabilities in storage systems designed for ease of use

- Complement server virtualization with technologies such as IBM PowerVM, Microsoft Hyper-V, VMware vSphere, Kubernetes and Docker
- Get peace of mind with comprehensive IBM FlashWatch guarantees.

AI-powered storage visibility, insight, and control

is Cloud-based, AI-driven, storage analytics, and integrated proactive support platform that delivers heterogeneous storage management made simple. It provides critical system analysis and optimization capabilities that enhance your IBM FlashSystem experience, such as:

- A single dashboard so you can see the status of all your block storage at a glance
- System information gathered from approximately 23 million data points so you can make better, more informed decisions
- AI-enhanced analytics that leverage knowledge from over two exabytes of storage under management to better predict and help prevent problems before they impact your business
- When support is needed, the ability to easily open a ticket, upload log information and view open tickets
- Detailed configuration data available to IBM specialists to help close tickets quickly

Discover FlashSystem family offerings

IBM FlashSystem 9200R: IBM FlashSystem 9200R is a rack-based storage solution engineered to reduce deployment time while providing petabytes of high-performance, cost-efficient storage capacity, extraordinary system bandwidth, ultra-low latency, and exceptional configuration flexibility.

IBM FlashSystem 9200: IBM FlashSystem 9200 solutions provide a single enterprise-class platform to address the full spectrum of 21st-century data storage requirements. From NVMe-powered all-flash performance and IBM FlashCore reliability, unlimited scalability, to data services.

IBM FlashSystem 7200: All-flash storage solution designed to deliver high performance with advanced storage capabilities at a cost-effective price.

IBM FlashSystem 7200H: Highly scalable, end-to-end NVMe storage solution with optional hybrid-flash expansions designed with enterprise-class features that include extensive AI-based storage resource management, predictive analytics and automated data placement.

IBM FlashSystem 5100 and 5100H: NVMe accelerated performance designed to deliver wide-ranging functionality including AI-based management in affordable storage solutions.

IBM FlashSystem 5000: Easy-to-buy, easy-to-deploy and easy-to-grow hybrid storage solutions designed to enable organizations to overcome their storage challenges with advanced functionality at entry-level pricing.

¹ “Deep Learning.” *TechTarget*, Accessed January 1, 2019.

<https://searchenterpriseai.techtarget.com/definition/deep-learning-deep-neural-network>

² Compression data based on IBM measurements; compression rates vary by data type and content.

Why IBM?

The FlashSystem family of products from IBM, a recognized leader in the storage industry, is known for providing efficiency, flexibility and high-performance storage for any type of workload. IBM storage offerings customized for small, mid-sized and large organizations are specifically designed to deliver performance in streamlined packages that are easy to buy, deploy and manage.

For more information

To learn more about the IBM FlashSystem family of storage systems, please contact your IBM representative or IBM Business Partner, or visit:

For US & other English speaking countries:
<https://www.ibm.com/products/flashsystem-5000>

For all other countries:
<https://www.ibm.com/marketplace/flashsystem-5000>

For IBM FlashSystem 5100
<https://www.ibm.com/marketplace/flashsystem-5100>

For IBM FlashSystem 7200:
<https://www.ibm.com/marketplace/flashsystem-7200>

For the IBM FlashSystem 9200:
<https://www.ibm.com/marketplace/flashsystem-9200>

and the rack mount version - IBM
FlashSystem 9200R
<https://www.ibm.com/marketplace/flashsystem-9200R>

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