

IBM Storage DS8000 Family

High-performance storage solutions for mission-critical environments

The DS8000 family includes two generations that offer flexible models designed to address a wide variety of workloads and different business needs.



	DS8A10 model A01	DS8A50 model A05	DS8980F model 998	DS8950F model 996	DS8910F model 994	DS8910F model 993
	Ensures organizations have constant access to critical workloads, consistent and optimized data performance, and an architecture to adopt the latest IBM research-backed technologies.		Best performance for organizations that want to expand their workload possibilities to AI, Business Intelligence and Machine Learning.	For large organizations looking to consolidate all their mission-critical workloads for IBM Z, IBM LinuxONE and IBM Power systems.	For midrange organizations looking to meet storage challenges with advanced functionality delivered in a prepackaged single rack solution.	Flexible rackless solution to be integrated into IBM z15 T02, IBM LinuxONE III LT2, or customer provided 19-inch industry standard racks.
	Single frame 10th Generation	Multi frame 10th Generation	Multi frame 9th Generation	Multi frame 9th Generation	Single frame 9th Generation	Rack mount 9th Generation
Maximum physical capacity	3,687 TB	7,373 TB	5,898 TB	5,898 TB	2,949 TB	1,474 TB
Minimum response time	80 µs	80 µs	80 µs	80 µs	80 µs	80 µs
Minimum response time with zHyperLink	13 µs	13 µs	18 µs	18 µs	18 µs	18 µs
Cores per system	20	40	44	40	16	16
System cache	512 GB	3.5 TB	4.3 TB	3.4 TB	512 GB	512 GB
Host ports	64	128	128	128	64	32

1. [IBM Storage DS8000 \(10th generation\) data sheet, September 2024](#)
 2. [IBM DS8900F data sheet, 2023](#)

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