

# IBM FlashSystem 9100

## IBM FlashSystem 9100 at a glance

Models	IBM FlashSystem 9110, model AF7 IBM FlashSystem 9150, model AF8	
Flash type	IBM-enhanced 3D TLC	
Supported drives	2.5-inch NVMe FCMs: 4.8 TB, 9.6 TB and 19.2 TB compressing FCMs 2.5-inch NVMe flash drives: 1.92 TB, 3.84 TB, 7.68 TB and 15.36 TB	
Management software	IBM Spectrum Virtualize software	
Advanced features	Deduplication and compression FlashCopy Remote mirroring External virtualization IBM Easy Tier Data migration	
Encryption	Data-at-rest AES-XTS 256	
SAS Expansion enclosures	Model AFF 2U 24 drive Model A9F 5U 92 drive 2.5-inch flash drives supported: 1.92 TB, 3.2 TB, 3.84 TB, 7.68 TB and 15.36 TB	
Dimensions	Controller enclosure: Width: 48.3 cm (19.0 in) Depth: 85.0 cm (33.5 in) Height: 8.8 cm (3.5 in)	
Weight	46.6 kg (102.5 lb) fully loaded	
	Single System	Clustered System
System size	Single 2U enclosure	Clustered 4-way x 2U enclosures
Maximum NVMe flash capacity	461 TB raw 379 TB usable, DRAID6 758 TB effective (2:1 reduction)	1.8 PB raw 1.5 PB usable, DRAID6 3.0 PB effective (2:1 reduction)
Maximum external storage capacity	External virtualization: Up to 32 PB usable capacity	External virtualization: Up to 32 PB usable capacity
IOPS (4K cache hit)	2,500,000	10,000,000
IOPS (4K read miss) with hardware compression (IBM FlashSystem 9150)	1,100,000	4,400,000
Bandwidth (256K)	34 GB/s	136 GB/s

<p>NVMe-oF hardware-ready connectivity</p>	<p>Up to: 24 ports 16 Gb Fibre Channel with NVMe-oF support 8 ports 10 GbE iSCSI 12 ports 25 GbE iWARP or RoCE</p>	<p>Up to: 96 ports 16 Gb Fibre Channel with NVMe-oF support 32 ports 10 GbE iSCSI 48 ports 25 GbE iWARP or RoCE</p>
<p>Controller CPU</p>	<p>Model AF7: Four 8-core Model AF8: Four 14-core</p>	<p>Sixteen 8-core Sixteen 14-core</p>
<p>Cache</p>	<p>128 GB standard; up to 1,536 GB</p>	<p>512 GB standard; up to 6,144 GB</p>

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