

IBM FlashSystem A9000

IBM FlashSystem A9000 Spec Table

IBM FlashSystem A9000 at a glance				
Model	9836-425 (1-year warranty), 9838-425 (3-year enterprise-class warranty), 9838-U25 (3-year warranty)			
Controllers	Three-way active grid controllers, each containing: <ul style="list-style-type: none"> • Two Intel Xeon E5 v4 12-core 2.2 GHz processors • 384 GB DDR4 memory • Redundant battery backup units and power supply units 			
Software	IBM FlashSystem A9000 and IBM FlashSystem A9000R software v12			
Effective capacity*	110 TB	180 TB	425 TB	900 TB
Maximum capacity†	1,200 TB	1,200 TB	1,200 TB	1,200 TB
Physical capacity‡	21.6 TB	36 TB	85 TB	180 TB
Raw capacity	36.9 TB	55.3 TB	129 TB	258 TB
IBM MicroLatency modules	8 x 3.6 TB	12 x 3.6 TB	12 x 8.5 TB	12 x 18 TB
Flash type	IBM-enhanced 3D TLC			
Performance				
IOPS	Up to 900,000			
Maximum bandwidth	10 GB/s			
Minimum latency	250 µs			
Data reduction and efficiency	<ul style="list-style-type: none"> • Pattern removal • Global, inline deduplication • Inline compression • Space-efficient snapshots • Thin provisioning 			
Encryption	Hardware-based AES-XTS 256-bit with centralized key management			
Host connectivity options	12 x 16 Gb Fibre Channel + 6 x 10 Gb iSCSI, or 12 x 10 Gb iSCSI			
Backplane interconnect	InfiniBand			
Power	1.69 KW (typical); 2.91 KW (max)			
Dimensions (H x W x D)	356 mm (8U) x 483 mm x 930 mm (14 in x 19 in x 36.6 in)			
Weight	125 kg (275.5 lb)			
Client operating system support	For a current list of platforms supported, please visit the IBM System Storage Interoperation Center (SSIC) .			

* Typical effective capacity is the available capacity after system overhead (including flash media over-provisioning and RAID protection) as well as the data reduction benefits of pattern removal, deduplication and compression. This assumes data reduction of 5 to 1.

[†]Maximum capacity refers to the effective capacity provisioning limit.

[†]Physical capacity is the available capacity after system overhead, including flash media over-provisioning and RAID protection.



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