

SSD Comparison Table



	CONSUMER			CONSUMER/ BUSINESS			ENTERPRISE		
Product Name	A400 SSD	NV2 SSD	NV3 SSD	KC600 SSD	KC3000 SSD	FURY Renegade SSD	DC600M SSD	DC1000B SSD	DC2000B SSD
Interface	SATA Rev. 3.0 (6Gb/s) - with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	PCIe 4.0 x4 NVMe	PCIe 4.0 x4 NVMe	SATA Rev. 3.0 (6Gb/s) - with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	PCIe 4.0 NVMe	PCIe 4.0 NVMe	SATA Rev. 3.0 (6Gb/s) - with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	PCIe NVMe Gen3 x4	PCIe 4.0 x4 NVMe
Form Factor	2.5"	M.2 2280	M.2 2280	2.5" & mSATA	M.2 2280	M.2 2280	2.5"	M.2 2280	M.2 2280
Part Number	SA400S37/xxG	SNV2S/xxG	SNV3S/xxG	SKC600/xxG (2.5") SKC600MS/xxG (mSATA)	SKC3000S/xxG (512G, 1024G), SKC3000D/xxG (2048G, 4096G)	SFYRSK/xxGB (500G, 1000G), SFYRDK (2000G, 4000G)	SEDC600M/xxG	SEDC1000BM8/xxxG	SEDC2000BM8/xxG
Capacities ¹	240GB, 480GB, 960GB	250GB, 500GB, 1TB, 2TB, 4TB	500GB, 1TB, 2TB, 4TB	256GB, 512GB, 1024GB, 2048GB	512GB, 1024GB, 2048GB, 4096GB	500GB, 1TB, 2TB, 4TB	480GB, 960GB, 1920GB, 3840GB, 7680GB	240GB, 480GB, 960GB	240GB, 480GB, 960GB
Read Speed ²	Up to 500MB/s	250GB: 3,000MB/s 500GB-4TB: 3,500MB/s	6,000MB/s	Up to 550MB/s	7,000MB/s	7,300MB/s	560MB/s	240GB: up to 2,200MB/s 480GB: up to 3,200MB/s	240GB: 4500MB/s 480GB-960GB: 7000MB/s
Write Speed ²	240GB: up to 350MB/s 480GB & 960GB: up to 450MB/s	250GB: 1,300MB/s 500GB: 2,100MB/s 1TB: 2,100MB/s 2TB: 2,800MB/s 4TB: 2,800MB/s	500GB: 2,200MB/s 1TB: 4,000MB/s 2TB-4TB: 5,000MB/s	256GB: up to 500MB/s 512GB-2,048GB: up to 520MB/s	512GB: 3,900MB/s 1024GB: 6,000MB/s 2048GB: 7,000MB/s 4096GB: 7,000MB/s	500GB: 3,900MB/s 1TB: 6,000MB/s 2TB: 7,000MB/s 4TB: 7,000MB/s	480GB: 470MB/s 960GB: 530MB/s 1.92TB: 530MB/s 3.84TB: 530MB/s 7.68TB: 530MB/s	240GB: up to 290MB/s 480GB: up to 565MB/s	240GB: 400MB/s 480GB: 800MB/s 960GB: 1300MB/s
IOPS - Maximum 4K read/write	N/A	N/A	N/A	up to 90,000/80,000 IOPS	512GB: up to 450,000/900,000 IOPS 1024GB: up to 900,000/1,000,000 IOPS 2048GB & 4096GB: up to 1,000,000 /1,000,000 IOPS	500GB: up to 450,000/900,000 IOPS 1TB: up to 900,000/1,000,000 IOPS 2TB & 4TB: up to 1,000,000/1,000,000 IOPS	480GB: 94,000/41,000 IOPS 960GB: 94,000/65,000 IOPS 1.92TB: 94,000/78,000 IOPS 3.84TB: 94,000/34,000 IOPS 7.68TB: 94,000/34,000 IOPS	240GB: up to 111,000/12,000 IOPS 480GB: up to 205,000/20,000 IOPS	240GB: 260000/18000 IOPS 480GB: 530000/32000 IOPS 960GB: 540000/47000 IOPS
Warranty	3 years limited ³	3 years limited ³	3 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³

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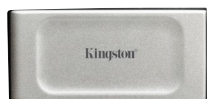
	SMALL FORM FACTOR						
Product Name	NV2 SSD	NV3 SSD	KC600 SSD	KC3000 SSD	FURY Renegade SSD	DC1000B SSD	DC2000B SSD
Interface	PCIe 4.0 x4 NVMe	PCIe 4.0 x4 NVMe	SATA Rev. 3.0 (6Gb/s) – with backwards capability to SATA Rev 2.0 (3Gb/s)	PCIe 4.0 NVMe	PCIe 4.0 NVMe	PCIe NVMe Gen3 x4	PCIe 4.0 x4 NVMe
Form Factor	M.2 2280	M.2 2280	mSATA	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Part Number	SNV2S/xxG	SNV3S/xxG	SKC600MS/xxG (mSATA)	SKC3000S/xxG (512G, 1024G), SKC3000D/xxG (2048G, 4096G)	SFYRSK/xxGB (500G, 1000G), SFYRDK (2000G, 4000G)	SEDC1000BM8/xxxG	SEDC2000BM8/xxG
Capacities ¹	250GB, 500GB, 1TB, 2TB, 4TB	500GB, 1TB, 2TB, 4TB	256GB, 512GB, 1024GB	512GB, 1024GB, 2048GB, 4096GB	500GB, 1TB, 2TB, 4TB	240GB, 480GB	240GB, 480GB, 960GB
Read Speed ²	250GB: 3,000MB/s 500GB-4TB: 3,500MB/s	6,000MB/s	Up to 550MB/s	7,000MB/s	7,300MB/s	240GB: up to 2,200MBs 480GB: up to 3,200MBs	240GB: 4500MB/s 480GB-960GB: 7000MB/s
Write Speed ²	250GB: 1,300MB/s 500GB: 2,100MB/s 1TB: 2,100MB/s 2TB: 2,800MB/s 4TB: 2,800MB/s	500GB: 2,200MB/s 1TB: 4,000MB/s 2TB-4TB: 5,000MB/s	256GB: up to 500MB/s 512GB-1024GB: up to 520MB/s	512GB: 3,900MB/s 1024GB: 6,000MB/s 2048GB: 7,000MB/s 4096GB: 7,000MB/s	500GB: 3,900MB/s 1TB: 6,000MB/s 2TB: 7,000MB/s 4TB: 7,000MB/s	240GB: up to 290MBs 480GB: up to 565MBs	240GB: 400MB/s 480GB: 800MB/s 960GB: 1300MB/s
IOPS - Maximum 4K read/ write	N/A	N/A	up to 90,000/80,000 IOPS	512GB: up to 450,000/900,000 IOPS 1024GB: up to 900,000/1,000,000 IOPS 2048GB: up to 1,000,000 /1,000,000 IOPS 4096GB: up to 1,000,000 /1,000,000 IOPS	500GB: up to 450,000/900,000 IOPS 1TB: up to 900,000/1,000,000 IOPS 2TB: up to 1,000,000/1,000,000 IOPS 4TB: up to 1,000,000/1,000,000 IOPS	240GB: up to 111,000/12,000 IOPS 480GB: up to 205,000/20,000 IOPS	240GB: 260000/18000 IOPS 480GB: 530000/32000 IOPS 960GB: 540000/47000 IOPS
Warranty	3 years limited ³	3 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³

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	SATA		
Product Name	A400 SSD	KC600 SSD	DC600M SSD
Interface	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	SATA Rev. 3.0 (6Gb/s) – with backwards capability to SATA Rev 2.0 (3Gb/s)	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
Form Factor	2.5"	2.5" & mSATA	2.5"
Part Number	SA400S37/xxG	SKC600/xxG (2.5") SKC600MS/xxG (mSATA)	SEDC600M/xxG
Capacities ¹	240GB, 480GB, 960GB	256GB, 512GB, 1024GB, 2048GB	480GB, 960GB, 1920GB, 3840GB, 7680GB
Read Speed ²	Up to 500MB/s	Up to 550MB/s	560MBs
Write Speed ²	240GB: up to 350MB/s 480GB & 960GB: up to 450MB/s	256GB: up to 500MB/s 512GB-2,048GB: up to 520MB/s	480GB: 470MBs 960GB-7.68TB: 530MBs
IOPS - Maximum 4K read/write	240GB: up to 350MB/s	up to 90,000/80,000 IOPS	480GB: 94,000/41,000 IOPS 960GB: 94,000/65,000 IOPS 1.92TB: 94,000/78,000 IOPS 3.84TB: 94,000/34,000 IOPS 7.68TB: 94,000/34,000 IOPS
Warranty	3 years limited ³	5 years limited ³	5 years limited ³

SSD Comparison Table



	External		
Product Name	XS1000 SSD	XS2000 SSD	IronKey Vault Privacy 80 SSD
Interface	USB 3.2 Gen 2	USB 3.2 Gen 2x2	USB 3.2 Gen 1
Connector	Type-C	Type-C	Type-C
Part Number	SXS1000/xxG SXS1000R/xxG	SXS2000/xxG	IKVP80ES/xxG
Package Includes	12" USB Type-C (drive) to USB Type-A (host) cable, USB Type-A to USB Type-C adapter	XS2000 SSD, USB-C to USB-C cable, Removable Rubber Sleeve	IronKey VP80ES SSD, neoprene travel case, USB 3.2 Gen 1 C-to-C cable, USB 3.2 Gen 1 C-to-A cable
Capacities ¹	1TB, 2TB	500GB, 1000GB, 2000GB, 4000GB	480GB, 960GB, 1920GB
Read Speed ²	1,050MB/s	2,000MB/s	Up to 250MB/s
Write Speed ²	1,000MB/s	2,000MB/s	250MB/s
Dimensions	69.54 x 32.58 x 13.5mm	69.54 x 32.58 x 13.5mm	122.5 x 84.2 x 18.5mm
Compatible with	Windows® 11, 10, macOS (v.10.15.x +), Linux (v. 4.4.x +), Chrome OS™, Android™, iOS/iPadOS® (v.13+)	Windows® 11, 10, 8.1, macOS (v.10.14.x +), Linux (v. 2.6.x +), Chrome OS™	OS-independent: Microsoft Windows®, macOS®, Linux, Chrome OS™ or any system that supports a USB mass storage device.
Warranty	5 years limited ³	5 years limited ³	3 years limited ³

	Accessories
Product Name	XS SSD Rubber Sleeve 3 Pack
Part Number	SNA-XSRI-3P
Colours	black, light blue, orange
Material	Rubber
Dimensions	73.7mm x 38.79mm x 17mm
Compatible with	Fits XS1000, XS1000R and XS2000

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Information correct at time of print (September 2024).

- Some of the listed capacity on a Flash storage device is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products. For more information, go to Kingston's Flash Guide at kingston.com/flashguide.
- Speed may vary due to host and device configuration.
- Limited warranty based on 3/5 years or SSD "Life Remaining" which can be found using the Kingston SSD Manager (kingston.com/SSDManager). A new, unused product will show a wear indicator value of one hundred (100), whereas a product that has reached its endurance limit of program erase cycles will show a wear indicator value of one (1). See kingston.com/wa for details.

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