

SSD Comparison table



	CONSUMER		CONSUMER/ BUSINESS			ENTERPRISE				
Product Name	A400 SSD	NV2 SSD	KC600 SSD	KC3000 SSD	FURY Renegade SSD	DC600M SSD	DC500 SSD	DC450R SSD	DC1500M SSD	DC1000B SSD
Interface	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	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)	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	SATA Rev. 3.0 (6Gb/s)	PCIe NVMe Gen3 x4	PCIe NVMe Gen3 x4
Form Factor	2.5"	M.2 2280	2.5" & mSATA	M.2 2280	M.2 2280	2.5"	2.5"	2.5"	U.2, 2.5" x 15mm	M.2 2280
Part Number	SA400S37/xxG (2.5")	SNV2S/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	SEDC500R/xxG SEDC500M/xxG	SEDC450R/xxG	SEDC1500M/xxxG	SEDC1000BM8/xxxG
Capacities ¹	120GB, 240GB, 480GB, 960GB	250GB, 500GB, 1TB, 2TB, 4TB	256GB, 512GB, 1024GB, 2048GB	512GB, 1024GB, 2048GB, 4096GB	500GB, 1TB, 2TB, 4TB	480GB, 960GB, 1920GB, 3840GB, 7680GB	480GB, 960GB, 1.92TB, 3.84TB, 7.68TB	480GB, 960GB, 1.92TB, 3.84TB, 7.68TB	960GB, 1.92TB, 3.84TB, 7.68TB	240GB, 480GB, 960GB
Read Speed ²	Up to 500MB/s	250GB – 3,000MB/s 500GB – 3,500MB/s 1TB – 3,500MB/s 2TB – 3,500MB/s 4TB – 3,500MB/s	256GB: up to 550 MB/s 512GB-2,048GB: up to 550MB/s	7,000MB/s	7,300MB/s	480GB: 560MBs 960GB: 560MBs 1.92TB: 560MBs 3.84TB: 560MBs 7.68TB: 560MBs	Up to 555MB/s	480GB: 560MBs 960GB: 560MBs 1.92TB: 560MBs 3.84TB: 560MBs	960GB: 3,100MB/s 1.92TB: 3,300MB/s 3.84TB: 3,100MB/s 7.68TB: 3,100MB/s	240GB: up to 2,200MBs 480GB: up to 3,200MBs
Write Speed ²	120GB: up to 320MB/s 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	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: 470MBs 960GB: 530MBs 1.92TB: 530MBs 3.84TB: 530MBs 7.68TB: 530MBs	DC500R 480GB: 500MBs 960GB: 525MBs 1.92TB: 525MBs 3.84TB: 520MBs 7.68TB: 490MBs DC500M 480GB: 520MBs 960GB: 520MBs 1.92TB: 520MBs 3.84TB: 520MBs	480GB: 510MBs 960GB: 530MBs 1.92TB: 530MBs 3.84TB: 525MBs	960GB: 1,700MB/s 1.92TB: 2,700MB/s 3.84TB: 2,700MB/s 7.68TB: 2,700MB/s	240GB: up to 290MBs 480GB: up to 565MBs
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 & 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:	N/A	480GB: 99,000/17,000 IOPS 960GB: 98,000/26,000 IOPS 1.92TB: 99,000/28,000 IOPS 3.84TB: 99,000/26,000 IOPS	960GB: 440,000/150,000 IOPS 1.92TB: 510,000/220,000 IOPS 3.84TB: 480,000/210,000 IOPS 7.68TB: 420,000/200,000 IOPS	240GB: up to 111,000/12,000 IOPS 480GB: up to 205,000/20,000 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	5 years limited ³	5 years limited ³	5 years limited ³

SSD Comparison table



	SMALL FORM FACTOR				
Product Name	NV2 SSD	KC600 SSD	KC3000 SSD	FURY Renegade SSD	DC1000B SSD
Interface	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
Form Factor	M.2 2280	mSATA	M.2 2280	M.2 2280	M.2 2280
Part Number	SNV2S/xxG	SKC600MS/xxG (mSATA)	SKC3000S/xxG (512G, 1024G), SKC3000D/xxG (2048G, 4096G)	SFYRSK/xxGB (500G, 1000G), SFYRDK (2000G, 4000G)	SEDC1000BM8/xxxG
Capacities ¹	250GB, 500GB, 1TB, 2TB, 4TB	256GB, 512GB, 1024GB	512GB, 1024GB, 2048GB, 4096GB	500GB, 1TB, 2TB, 4TB	240GB, 480GB
Read Speed ²	250GB – 3,000MB/s 500GB – 3,500MB/s 1TB – 3,500MB/s 2TB – 3,500MB/s 4TB – 3,500MB/s	256GB: up to 550 MB/s 512GB-1024GB: up to 550MB/s	7,000MB/s	7,300MB/s	240GB: up to 2,200MBs 480GB: up to 3,200MBs
Write Speed ²	250GB – 1,300MB/s 500GB – 2,100MB/s 1TB – 2,100MB/s 2TB – 2,800MB/s 4TB – 2,800MB/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
IOPS - Maximum 4K read/write	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
Warranty	3 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³

SSD Comparison table



	SATA				
Product Name	A400 SSD	KC600 SSD	DC600M SSD	DC500 SSD	DC450R 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 compatibility to SATA Rev. 2.0 (3Gb/s)	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)	SATA Rev. 3.0 (6Gb/s)
Form Factor	2.5"	2.5" & mSATA	2.5"	2.5"	2.5"
Part Number	SA400S37/xxG (2.5")	SKC600/xxG (2.5") SKC600MS/xxG (mSATA)	SEDC600M/xxG	SEDC500R/xxG SEDC500M/xxG	SEDC450R/xxG
Capacities ¹	120GB, 240GB, 480GB, 960GB	256GB, 512GB, 1024GB, 2048GB	480GB, 960GB, 1920GB, 3840GB, 7680GB	480GB, 960GB, 1.92TB, 3.84TB, 7.68TB	480GB, 960GB, 1.92TB, 3.84TB, 7.68TB
Read Speed ²	Up to 500MB/s	256GB: up to 550 MB/s 512GB-2,048GB: up to 550MB/s	480GB: 560MBs 960GB: 560MBs 1.92TB: 560MBs 3.84TB: 560MBs 7.68TB: 560MBs	Up to 555MB/s	480GB: 560MBs 960GB: 560MBs 1.92TB: 560MBs 3.84TB: 560MBs
Write Speed ²	120GB: up to 320MB/s 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: 530MBs 1.92TB: 530MBs 3.84TB: 530MBs 7.68TB: 530MBs	DC500R 480GB: 500MBs 960GB: 525MBs 1.92TB: 525MBs 3.84TB: 520MBs 7.68TB: 490MBs DC500M 480GB: 520MBs 960GB: 520MBs 1.92TB: 520MBs 3.84TB: 520MBs	480GB: 510MBs 960GB: 530MBs 1.92TB: 530MBs 3.84TB: 525MBs
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:	N/A	480GB: 99,000/17,000 IOPS 960GB: 98,000/26,000 IOPS 1.92TB: 99,000/28,000 IOPS 3.84TB: 99,000/26,000 IOPS
Warranty	480GB & 960GB: up to 450MB/s	5 years limited ³	5 years limited ³	5 years limited ³	5 years limited ³

SSD Comparison table



	External	
Product Name	XS2000 SSD	IronKey Vault Privacy 80 SSD
Interface	USB 3.2 Gen 2x2	USB 3.2 Gen 1
Connector	Type-C	Type-C
Part Number	SXS2000/xxG	IKVP80ES/xxG
Package Includes	XS2000 SSD, removable rubber sleeve, USB 3.2 Gen 2x2 C-to-C cable	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	500GB, 1000GB, 2000GB, 4000GB	480GB, 960GB, 1920GB
Read Speed ²	2,000 MB/s	Up to 250MB/s read
Write Speed ²	2,000 MB/s	250MB/s write
Dimensions	69.54 x 32.58 x 13.5mm	122.5 x 84.2 x 18.5 mm
Compatible with	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	3 years limited ³

	Kits
Product Name	KC600 SSD upgrade kit
Target Market	Consumer, system builders, business
Part Number	SKC600B/xxG
Form Factor	2.5"
Accessories	2.5" USB 2.0 enclosure 3.5" bracket and mounting screws SATA power and data cables 7mm - 9.5mm adapter
Software	Hard drive cloning software
Warranty	5 years limited ³

THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE.

Information correct at time of print (May 2023).

1. 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.
2. Speed may vary due to host and device configuration.
3. 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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