Kingston has
the right SSD for your needs.

Consumer

For notebook or desktop users, switching to an SSD or adding it to your system is simple with upgrade kits that include everything you need, as well as software to clone your files and Operating System in minutes.




SSD	A400	UV500	A2000	KC2000
Application	Dramatically improves the responsiveness of your existing system with incredible boot, loading and transfer times compared to mechanical hard drives.	Provides end-to-end data protection using 256-bit AES Hardware-based encryption and support for TCG Opal 2.0 security management solutions.	Entry-level PCIe NVMe™ solution with a single-sided M.2 22x80mm design.	Delivers powerful performance using the latest Gen 3.0 x 4 controller and 96-layer 3D TLC NAND.
Capacity[1]	120GB, 240GB, 480GB, 960GB, 1.92TB	120GB, 240GB, 480GB, 960GB, 1.92TB	250GB, 500GB, 1TB	250GB, 500GB, 1TB, 2TB
Controller	2Ch[7]	Marvell 88SS1074	Phison E8	SMI 2262EN
NAND	3D	3D TLC	3D	96-layer 3D TLC
Interface	SATA Rev. 3.0	SATA Rev. 3.0	NVMe PCIe Gen 3.0 x 4 lanes	NVMe PCIe Gen 3.0 x 4 lanes
Form Factor	2.5" – 7mm / M.2 2280	2.5" / M.2 2280 / mSATA	M.2 2280	M.2 2280
Sequential Data Transfer Read/Write	120GB: 500MB/s / 320MB/s 240GB: 500MB/s / 350MB/s 480GB: 500MB/s / 450MB/s 960GB: 500MB/s / 450MB/s 1.92TB: 500MB/s / 450MB/s	120GB: 520MB/s / 320MB/s 240GB: 520MB/s / 500MB/s 480GB: 520MB/s / 500MB/s 960GB: 520MB/s / 500MB/s 1.92TB: 520MB/s / 500MB/s	250GB: up to 2,000/1,100 MB/s 500GB: up to 2,200/2,000 MB/s 1TB: up to 2,200/2,000 MB/s	250GB: 3,000MB/s / 1,100MB/s 500GB: 3,000MB/s / 2,000MB/s 1TB: 3,200MB/s / 2,200MB/s 2TB: 3,200MB/s / 2,200MB/s
Random 4k Read/Write[2]		120GB: 79,000/18,000 IOPS 240GB: 79,000/25,000 IOPS 480GB: 79,000/35,000 IOPS 960GB: 79,000/45,000 IOPS 1.92TB: 79,000/50,000 IOPS	250GB: up to ,150,000/180,000 IOPS 500GB: up to 180,000/200,000 IOPS 1TB: up to 250,000/220,000 IOPS	250GB: 350,000/200,000 IOPS 500GB: 350,000/250,000 IOPS 1TB: 350,000/275,000 IOPS 2TB: 250,000/ 250,000 IOPS
IOMETER Maximum Random 4k Read/Write[2]				
Warranty	Limited 3 years[6]	Limited 5 years[5]	Limited 5 years[5]	Limited 5 years[5]
Kingston Part Numbers	**Stand-alone Drives** SA400S37/120G SA400S37/240G SA400S37/480G SA400S37/960G SA400S37/1920G **M.2** SA400M8/120G SA400M8/240G	**Stand-alone Drives** SUV500/120G SUV500/240G SUV500/480G SUV500/960G SUV500/1920G **Desktop/Notebook Upgrade Kit** SUV500B/120G SUV500B/240G SUV500B/480G SUV500B/960G SUV500B/1920G **M.2** SUV500M8/120G SUV500M8/240G SUV500M8/480G SUV500M8/960G **mSATA** SUV500MS/120G SUV500MS/240G SUV500MS/480G	**M.2** SA2000M8/250G SA2000M8/500G SA2000M8/1000G	**M.2** SKC2000M8/250G SKC2000M8/500G SKC2000M8/1000G SKC2000M8/2000G
Accessory Kit Contents		**Desktop/Notebook Upgrade Kit** 2.5" SSD 2.5 USB Enclosure 3.5" Bracket and Mounting Screws SATA Power and Data Cable 7mm to 9.5mm Adapter Hard Drive Cloning Software[3]	**M.2** M.2 SSD Hard Drive Cloning Software[9]	

more ››

Kingston TECHNOLOGY

Business/Enterprise

For organizations large or small, solid-state drives can extend the lifecycle and dramatically improve system performance with higher speeds, greater stability and legendary Kingston reliability. From booting up to opening applications, SSDs significantly cuts down waiting time. Enterprise data centers gain performance, reliable Quality of Service (QoS), predictable low latency and consistent IO delivery.

SSD	UV500	DC500R	DC500M	KC2000
Application	Provides end-to-end data protection using 256-bit AES Hardware-based encryption and support for TCG Opal 2.0 security management solutions.	Data Center SSD for read-centric workloads designed with an increased quality of service (QoS), sustained performance user adjustable over-provisioning to improve random IOPS performance.	Data Center SSD for read-centric workloads designed with an increased quality of service (QoS), sustained performance user adjustable over-provisioning to improve random IOPS performance.	Delivers powerful performance using the latest Gen 3.0 x 4 controller and 96-layer 3D TLC NAND.
Capacity[1]	120GB, 240GB, 480GB, 960GB, 1.92TB	480GB, 960GB, 1.92TB, 3.84TB	480GB, 960GB, 1.92TB, 3.84TB	250GB, 500GB, 1TB, 2TB
Controller	Marvell 88SS1074	Phison S12	Phison S12	SMI 2262EN
NAND	3D TLC	3D TLC	3D TLC	96-layer 3D TLC
Interface	SATA Rev. 3.0	SATA Rev. 3.0	SATA Rev. 3.0	NVMe PCIe Gen 3.0 x 4 lanes
Form Factor	2.5" / M.2 2280 / mSATA	2.5"	2.5"	M.2 2280
Sequential Data Transfer Read/Write	120GB: 520MB/s / 320MB/s 240GB: 520MB/s / 500MB/s 480GB: 520MB/s / 500MB/s 960GB: 520MB/s / 500MB/s 1.92TB: 520MB/s / 500MB/s	480GB: 555MB/s / 500MB/s 960GB: 555MB/s / 525MB/s 1.92TB: 555MB/s / 525MB/s 3.84TB: 555MB/s / 520MB/s	480GB: 555MB/s / 500MB/s 960GB: 555MB/s / 525MB/s 1.92TB: 555MB/s / 525MB/s 3.84TB: 555MB/s / 520MB/s	250GB: 3,000MB/s / 1,100MB/s 500GB: 3,000MB/s / 2,000MB/s 1TB: 3,200MB/s / 2,200MB/s 2TB: 3,200MB/s / 2,200MB/s
SNIA Enterprise Workload Sequential Read/Write				
Random 4k Read/Write[2]	120GB: 79,000/18,000 IOPS 240GB: 79,000/25,000 IOPS 480GB: 79,000/35,000 IOPS 960GB: 79,000/45,000 IOPS 1.92TB: 79,000/50,000 IOPS	480GB: 98,000/12,000 IOPS 960GB: 98,000/20,000 IOPS 1.92TB: 98,000/24,000 IOPS 3.84TB: 98,000/28,000 IOPS	480GB: 98,000/58,000 IOPS 960GB: 98,000/70,000 IOPS 1.92TB: 98,000/75,000 IOPS 3.84TB: 98,000/78,000 IOPS	250GB: 350,000/200,000 IOPS 500GB: 350,000/250,000 IOPS 1TB: 350,000/275,000 IOPS 2TB: 250,000/ 250,000 IOPS
IOMETER Maximum Random 4k Read/Write[2]				
SNIA Enterprise Workload Random 4k Read/Write				
Warranty	Limited 5 years[5]	Limited 5 years[5]	Limited 5 years[5]	Limited 5 years[5]
Kingston Part Numbers	**Stand-alone Drives** SUV500/120G SUV500/240G SUV500/480G SUV500/960G SUV500/1920G **Desktop/Notebook Upgrade Kit** SUV500B/120G SUV500B/240G SUV500B/480G SUV500B/960G SUV500B/1920G **M.2** SUV500M8/120G SUV500M8/240G SUV500M8/480G SUV500M8/960G **mSATA** SUV500MS/120G SUV500MS/240G SUV500MS/480G	**Stand-alone Drives** SEDC500R/480G SEDC500R/960G SEDC500R/1920G SEDC500R/3840G	**Stand-alone Drives** SEDC500M/480G SEDC500M/960G SEDC500M/1920G SEDC500M/3840G	**M.2** SKC2000M8/250G SKC2000M8/500G SKC2000M8/1000G SKC2000M8/2000G
Accessory Kit Contents	**Desktop/Notebook Upgrade Kit** 2.5" SSD 2.5 USB Enclosure 3.5" Bracket and Mounting Screws SATA Power and Data Cable 7mm to 9.5mm Adapter Hard Drive Cloning Software[3]			

more ››

Kingston has the right SSD for your needs.

System Builder

For system builders, solid-state drives are ideal for non-PC, client PC or enthusiast applications. They're available in multiple form factors, including 2.5", caseless and mSATA.

SSD	UV500	A2000	KC2000
Application	Provides end-to-end data protection using 256-bit AES Hardware-based encryption and support for TCG Opal 2.0 security management solutions.	Entry-level PCIe NVMe™ solution with a single-sided M.2 22x80mm design.	Delivers powerful performance using the latest Gen 3.0 x 4 controller and 96-layer 3D TLC NAND.
Capacity[1]	120GB, 240GB, 480GB, 960GB, 1.92TB	250GB, 500GB, 1TB	250GB, 500GB, 1TB, 2TB
Controller	Marvell 88SS1074	Phison E8	SMI 2262EN
NAND	3D TLC	3D	96-layer 3D TLC
Interface	SATA Rev. 3.0	NVMe PCIe Gen 3.0 x 4 lanes	NVMe PCIe Gen 3.0 x 4 lanes
Form Factor	2.5" / M.2 2280 / mSATA	M.2 2280	M.2 2280
Compressible Data Transfer (ATTO)[2] Read/Write	120GB: 520MB/s / 320MB/s 240GB: 520MB/s / 500MB/s 480GB: 520MB/s / 500MB/s 960GB: 520MB/s / 500MB/s 1.92TB: 520MB/s / 500MB/s	250GB: up to 2,000/1,100 MB/s 500GB: up to 2,200/2,000 MB/s 1TB: up to 2,200/2,000 MB/s	250GB: 3,000MB/s / 1,100MB/s 500GB: 3,000MB/s / 2,000MB/s 1TB: 3,200MB/s / 2,200MB/s 2TB: 3,200MB/s / 2,200MB/s
Random 4k Read/Write[2]	120GB: 79,000/18,000 IOPS 240GB: 79,000/25,000 IOPS 480GB: 79,000/35,000 IOPS 960GB: 79,000/45,000 IOPS 1.92TB: 79,000/50,000 IOPS	250GB: up to ,150,000/180,000 IOPS 500GB: up to 180,000/200,000 IOPS 1TB: up to 250,000/220,000 IOPS	250GB: 350,000/200,000 IOPS 500GB: 350,000/250,000 IOPS 1TB: 350,000/275,000 IOPS 2TB: 250,000/ 250,000 IOPS
IOMETER Maximum Random 4k Read/Write[2]			
Warranty	Limited 5 years[5]	Limited 5 years[5]	Limited 5 years[5]
Kingston Part Numbers	**Stand-alone Drives** SUV500/120G SUV500/240G SUV500/480G SUV500/960G SUV500/1920G **Desktop/Notebook Upgrade Kit** SUV500B/120G SUV500B/240G SUV500B/480G SUV500B/960G SUV500B/190G **M.2** SUV500M8/120G SUV500M8/240G SUV500M8/480G SUV500M8/960G **mSATA** SUV500MS/120G SUV500MS/240G SUV500MS/480G	**M.2** SA2000M8/250G SA2000M8/500G SA2000M8/1000G	**M.2** SKC2000M8/250G SKC2000M8/500G SKC2000M8/1000G SKC2000M8/2000G

These SSDs are designed for use in desktop and notebook computer workloads and are not intended for server environments (except DCP1000).

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 Memory Guide at kingston.com/flashguide.

2 Based on "out-of-box performance." Speed may vary due to host hardware, software and usage.

3 Operating system software support: Windows® 10, 8.1, 8 , 7 (SP1).

4 Not available in all countries.

5 Limited warranty based on 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.

6 Limited warranty based on 3 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.

7 Controller model may vary

8 Limited warranty based on 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). If the usage of one or more of the four (4) individual M.2 SSDs that make up the DCP1000 shows a wear indicator value of one (1) the product is no longer covered under warranty. See kingston.com/wa for details.

9 Operating system software support: Windows® 10, 8.1, 8

THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE.

Kingston TECHNOLOGY