



Kingston FURY Renegade PCIe 4.0 NVMe M.2 SSD

For gamers, enthusiasts and high-power users

Kingston FURY™ Renegade PCIe 4.0 NVMe M.2 SSD is built for hardware enthusiasts and gamers in search of high-performance storage. With blazing speeds of up to 7,300MB/s read and 7,000MB/s write, it's powerful enough to boost game and app load times, improve responsiveness and stay cooler for longer, thanks to its graphene aluminium heat spreader. With an optional heatsink model for even more thermal dispersion, this drive is PS5™ ready, to deliver an optimal gaming experience.

- Incredible PCIe Gen 4x4 NVMe performance
- Available with heatsink or low-profile heat spreader
- Slim M.2 2280 form factor
- High capacities of up to 4TB¹
- PS5™ ready

Specifications

Form factor	M.2 2280
Interface	PCIe 4.0 x4 NVMe
Capacities ¹	500GB, 1TB, 2TB, 4TB
Controller	Phison E18
NAND	3D TLC
DRAM Cache	Yes
Sequential read/write ²	500GB – 7,300/3,900MB/s 1TB – 7,300/6,000MB/s 2TB – 7,300/7,000MB/s 4TB – 7,300/7,000MB/s
Random 4K read/write ²	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
Total Bytes Written (TBW) ³	500GB – 500TBW 1TB – 1.0PBW 2TB – 2.0PBW 4TB – 4.0PBW
Power consumption	500GB – 50mW idle / 0.34W avg / 2.7W (MAX) read / 4.1W (MAX) write 1TB – 50mW idle / 0.33W avg / 2.8W (MAX) read / 6.3W (MAX) write 2TB – 50mW idle / 0.36W avg / 2.8W (MAX) read / 9.9W (MAX) write 4TB – 50mW idle / 0.36W avg / 2.7W (MAX) read / 10.2W (MAX) write
Storage temperature	-40°C~85°C
Operating Temperature	0°C~70°C

Dimensions	Heat spreader: 80mm x 22mm x 2.21mm (500GB-1TB) 80mm x 22mm x 3.5mm (2TB-4TB) Heatsink: 80mm x 23.67mm x 10.5mm
Weight	Heat spreader: 500GB-1TB – 7g 2TB-4TB – 9.7g Heatsink: 1TB – 32.1g 2TB-4TB – 34.9g
Vibration operating	2.17G peak (7-800Hz)
Vibration non-operating	20G peak (20-1000Hz)
MTBF	2,000,000 hours
Warranty/Support ⁴	Limited 5-year warranty with free technical support

Part Numbers Heat Spreader

SFYRS/500G

SFYRS/1000G

SFYRD/2000G

SFYRD/4000G

Part Numbers Heatsink

SFYRSK/1000G

SFYRDK/2000G

SFYRDK/4000G

This SSD is designed for use in desktop and notebook computer workloads and is not intended for Server environments.

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](#).
2. Based on "out-of-box performance" using a PCIe 4.0 motherboard. Speed may vary due to host hardware, software and usage.
3. [Total Bytes Written](#) (TBW) is derived from the JEDEC Client Workload (JESD219A).
4. Limited warranty based on 5 years or "Percentage Used" which can be found using the Kingston SSD Manager (kingston.com/ssdmanager). For NVMe SSDs, a new unused product will show a Percentage Used value of 0, whereas a product that reaches its warranty limit will show a Percentage Used value of greater than or equal to one hundred (100). See kingston.com/wa for details.



THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE.

©2025 Kingston Technology Europe Co LLP and Kingston Digital Europe Co LLP, Kingston Court, Brooklands Close, Sunbury-on-Thames, Middlesex, TW16 7EP, England. Tel: +44 (0) 1932 738888 Fax: +44 (0) 1932 785469 All rights reserved. All trademarks and registered trademarks are the property of their respective owners. MKD-06032024