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KINGSTON FURY RENEGADE SSD

FOR GAMERS, ENTHUSIASTS, AND HIGH-POWER USERS

Kingston FURY™ Renegade PCIe 4.0 NVMe M.2 SSD provides cutting-edge performance in high capacities for gaming and hardware enthusiasts seeking extreme performance for PC builds and upgrades. By leveraging the latest Gen 4x4 NVMe controller and 3D TLC NAND, Kingston FURY Renegade SSD offers blazing speeds up to 7,300/7,000MB/s¹ read/write and up to 1,000,000 IOPS¹ for amazing consistency and exceptional gaming experience. From game and application loading times to streaming and capturing, give your system a boost in overall responsiveness.

With better heat management comes better stability during peak performance. The slim M.2 combined with a low profile, graphene aluminum heat spreader is optimized for intense usage in gaming laptops and desktops. The optional heatsink model delivers an additional layer of thermal dispersion so when the game heats up, your PS5™ console stays cool. Kingston FURY Renegade SSD matches the top-tier performance of the Kingston FURY Renegade memory line to produce the ultimate team that will keep you at the top of your game.

Available in capacities from 500GB–4TB² to store an extensive library of your favorite games and media.

- › Incredible PCIe Gen 4x4 NVMe performance
- › Available with heatsink or low-profile heat spreader
- › Slim M.2 2280 form factor
- › High capacities up to 4TB²
- › PS5™ Ready

more >>

FEATURES / BENEFITS

Level up with PCIe 4.0 NVMe — Dominate with cutting-edge Gen 4x4 intense speeds up to 7,300/7,000MB/s¹ read/write and up to 1,000,000 IOPS¹ performance.

Maximize your motherboard — Powerful slim M.2 form factor to enhance your gaming rig and laptop.

More space to play — Get all the latest titles and DLC available. Performance with high capacities up to 4TB² to store your favorite games and media.

Low profile graphene aluminum heat spreader — Advanced thermal dissipation keeps your drive cool during intense usage. Brings higher performance to the tightest of spaces in gaming laptops and motherboards.

PS5™ Ready — Game-changing storage designed to maximize your play. Optional integrated aluminum heatsink model provides an additional layer of thermal dispersion to cool the drive and maintain peak performance.

SPECIFICATIONS

Form Factor

M.2 2280

Interface

PCIe 4.0 x4 NVMe

Capacities²

500GB, 1TB, 2TB, 4TB

Controller

Phison E18

NAND

3D TLC

Sequential Read/Write¹

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/Write¹

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 – 500TB 1TB – 1.0PB 2TB – 2.0PB 4TB – 4.0PB

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: 500GB-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/Support⁴

Limited 5-year warranty with free technical support



PART NUMBERS

Heat Spreader	Heatsink
SFYRS/500G	SFYRSK/500G
SFYRS/1000G	SFYRSK/1000G
SFYRD/2000G	SFYRDK/2000G
SFYRD/4000G	SFYRDK/4000G

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

- Based on "out-of-box performance" using a PCIe 4.0 motherboard. Speed may vary due to host hardware, software, and usage.
- 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.
- Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).
- 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.



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