kingston.com/ssd

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/s[1] read/write and up to 1,000,000 IOPS[1] 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.

The slim M.2 form factor combined with a low profile, graphene aluminum heat spreader is optimized for intense usage in gaming rigs, gaming laptops, and motherboards. Kingston FURY Renegade SSD matches the top-tier performance of the Kingston FURY Renegade memory line to produce the ultimate team to keep you at the top of your game.

Available in capacities from 500GB–4TB[2] to store an extensive library of your favorite games and media.

› **Incredible PCIe Gen 4x4 NVMe performance**

› **Low profile graphene aluminum heat spreader**

› **Slim M.2 2280 form factor**

› **High capacities up to 4TB[2]**

more ››

## FEATURES / BENEFITS

**Level up with PCIe 4.0 NVMe** — Dominate with cutting-edge Gen 4x4 intense speeds up to 7,300/7,000MB/s[1] read/write and up to 1,000,000 IOPS[1] 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 4TB[2] 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.

## SPECIFICATIONS

**Form Factor**
M.2 2280

**Interface**
PCIe 4.0 NVMe

**Capacities[2]**
500GB, 1TB, 2TB, 4TB

**Controller**
Phison E18

**NAND**
3D TLC

**Sequential Read/Write[1]**
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[1]**
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 – 5mW Idle / 0.34W Avg / 2.7W (MAX) Read / 4.1W (MAX) Write
1TB – 5mW Idle / 0.33W Avg / 2.8W (MAX) Read / 6.3W (MAX) Write
2TB – 5mW Idle / 0.36W Avg / 2.8W (MAX) Read / 9.9W (MAX) Write
4TB – 5mW 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**
80mm x 22mm x 2.21mm (500GB-1TB)
80mm x 22mm x 3.5mm (2TB-4TB)

**Weight**
500GB-1TB – 7g   2TB-4TB – 9.7g

**Vibration Operating**
2.17G Peak (7-800Hz)

**Vibration Non-operating**
20G Peak (20-1000Hz)

**MTBF**
1,800,000 hours

**Warranty/Support[4]**
Limited 5-year warranty with free technical support

## PART NUMBERS

| RENEGADE SSD |
| --- |
| SFYRS/500G |
| SFYRS/1000G |
| SFYRD/2000G |
| SFYRD/4000G |

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

1. Based on "out-of-box performance" using a PCIe 4.0 motherboard. Speed may vary due to host hardware, software, and usage.

2. 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.

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.