Kingston Renegade G5 PCIe 5.0 NVMe M.2 SSD



For gamers, enthusiasts and high-power users seeking extreme performance

Kingston Renegade G5 PCIe 5.0 NVMe M.2 SSD is for high-power users, hardware enthusiasts and gamers ready for the latest Gen 5x4 performance. With raging speeds up to 14,800MB/s read and 14,000MB/s write, its extreme performance boosts game and app load times and improves reaction time, while its exceptional design keeps it cool.

- Extreme PCIe Gen5 speeds
- Advanced thermal design
- Seamless integration
- Maximized capacity

Specifications

Form factor	M.2 2280
Interface	PCIe 5.0 x4 NVMe
Capacities[1]	1024GB, 2048GB, 4096GB, 8192GB
Controller	SM2508
NAND	3D TLC
DRAM cache	Yes
DirectStorage supported	Yes
Sequential read/write[2]	1024GB – up to 14,200/11,000MB/s 2048GB – up to 14,700/14,000MB/s 4096GB – 8192GB – up to 14,800/14,000MB/s
Random 4K read/write[2]	1024GB - up to 2,200,000/2,150,000 IOPS 2048GB – 8192GB - up to 2,200,000/2,200,000 IOPS
Endurance (Total bytes written)[3]	1024GB – 1.0PB 2048GB – 2.0PB 4096GB – 4.0PB 8192GB – 8.0PB
Power consumption[4]	1024GB – 0.27W Avg / 6.6W @ 14.2G / 6.6W (MAX) 2048GB – 0.27W Avg / 7.0W @ 14.7G / 7.0W (MAX) 4096GB – 0.27W Avg / 7.1W @ 14.8G / 9.5W (MAX) 8192GB – 0.27W Avg / 7.5W @ 14.8G / 9.5W (MAX)
Storage temperature	-40°C~85°C
Operating temperature	0°C~70°C
Dimensions	1024GB - 4096GB - 80mm x 22mm x 2.3mm 8192GB - 80mm x 22mm x 3.65mm
Weight	1024GB – 7.3g 2048GB – 4096GB – 7.7g 8192GB - 9.2g

Vibration operating	2.17G Peak (7-800Hz)
Vibration non-operating	20G Peak (20-1000Hz)
MTBF	2,000,000 hours
Warranty/Support[5]	Limited 5-year warranty with free technical support

Part Numbers SRNG2S

SRNG2S/1T0	SRNG2S/2T0	SRNG2S/4T0
SRNG2D/8T1		

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 “Fresh out-of-box performance”, Sequential R/W using PCIe 5.0 Ryzen5 7600X CPU and X670E Motherboard, Random R/W using Intel Ultra7 and Z890 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. Average power consumption is based on Mobilemark™ workload. Max power consumption is based on typical value.

5. 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 Corporation, 17600 Newhope Street, Fountain Valley, CA 92708 USA. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. MKD-10062025