

Kingston SSDNow V Series drive

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Dramatically increase the performance
of existing systems.



SSDNOW V SERIES

For more than 20 years, users have relied on Kingston Technology to help them save millions by extending the life of existing computers with memory upgrades. Now Kingston® introduces its second-generation SSDNow V Series drive to help organizations of all sizes and consumers enhance the performance of computers with a Serial ATA (SATA) interface and thus extend their lifecycle.

Adding a solid-state drive to a desktop already using a standard hard disk drive is a smart and efficient way to upgrade. Transferring the operating system and applications from the HDD to the SSD allows the solid-state drive to be used as a bootable drive that takes full advantage of the speed of the Flash-based technology. The SSD and the HDD then co-exist to drive optimal performance in the upgraded desktop.

For notebooks, SSDNow drives are a perfect replacement for hard drives, resulting in faster, more reliable performance. Making this change will improve a notebook's efficiency in a wide range of tasks, from booting up to running the most robust operating system and demanding applications.

SSDNow uses a standard SATA interface but, unlike a regular HDD, SSD is very rugged and built with no moving parts, making it ideal for power users and road warriors who push the limits of their notebooks. Other benefits include reduced power usage, less noise and less heat generation.

SSDNow V Series drives offer performance gains and power consumption reductions at a fraction of the cost of a new system. For added peace of mind, they're backed by 24/7 tech support, a three-year warranty and legendary Kingston reliability.

Features:

- **Performance** — enhances productivity; makes users more efficient
- **Innovative** — 2.5" form factor; uses NAND Flash memory components
- **Silent** — runs silent and cool with no moving mechanical parts
- **Reliable** — less likely to fail than a standard hard drive
- **Shock Resistant** — no moving parts so the SSD handles rougher conditions than a hard drive
- **Supports TRIM** — enhances device wear leveling by eliminating merge operation for all deleted data blocks
- **Supports S.M.A.R.T.**
- **Guaranteed** — three-year Kingston warranty, 24/7 tech support

Specifications:

- **Cache** — 64MB onboard cache
 - **Interface** — SATA 1.5Gb/sec. and 3.0Gb/sec.
 - **Capacities**** — 30GB, 64GB, 128GB
 - **Storage temperatures** — -40° C to 85° C
 - **Operating temperatures** — 0° C to 70° C
 - **Vibration operating** — 2.17G (7–800Hz)
 - **Vibration non-operating** — 20G (20–2000Hz)
 - **Operating shock** — 1500 G
 - **Sequential Speed***

128GB	— Up to 200MB/sec. read
	160MB/sec. write
64GB	— Up to 200MB/sec. read
	110MB/sec. write
30GB	— Up to 180MB/sec. read
	50MB/sec. write
 - **PCMARK® HDD 2005†**

30GB	— 18,900
64GB	— 21,317
128GB	— 20,177
 - **Power specs** — 30GB Active: 1.7W (TYP)
Sleep: 0.05W (TYP)
64GB, 128GB Active: 5.2W (TYP)
Sleep: 0.7W (TYP)
- Life expectancy**
1 million hours mean time before failure, 64GB/128GB
500,000 hours mean time before failure, 30GB

Kingston SSDNow V Series Part Numbers:

SNV125-S2/30GB (stand-alone drive),
SNV425-S2/64GB (stand-alone drive),
SNV425-S2/128GB (stand-alone drive),
SNV425-S2BN/64GB (notebook bundle***),
SNV425-S2BN/128GB (notebook bundle***),
SNV125-S2BD/30GB (desktop bundle***),
SNV125-S2BD/30GB-2P (twin pack***),
SNV425-S2BD/64GB (desktop bundle***),
SNV425-S2BD/128GB (desktop bundle***)

* Based on internal testing. Performance may vary based on system settings.

** Some of the listed capacity is used for formatting and other functions and is not available for storage. For more information, go to Kingston's Flash Memory Guide at Kingston.com/Flash_Memory_Guide.

*** Notebook bundle includes system cloning software, USB enclosure and cable. Desktop bundle includes system cloning software, mounting brackets and cables. Twin Pack includes two SSD drives and two sets of mounting brackets and cables, no hard drive cloning software. THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE.

† Test System: Intel DG45ID Desktop Motherboard, Intel® Core 2 Quad Q9550 CPU at 2.83 GHz, System Memory 4GB Windows XP SP3

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