



Kingston Technology Solid State Drives



- SSDNow S50

- SSDNow V

SSDNow V+100

Dramatically increase the performance of existing systems.

Kingston's SSDNow V+100 solid-state drives dramatically improve performance with impressive speeds. It makes any user more productive by speeding up boot times and application loads while removing hard drive crashes and other drive failures.



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DataSheet

SSDNow V+100 are ideal for demanding corporate environments and for system builders and integrators. It uses a standard SATA interface but unlike a regular hard drive, it's built with no moving parts. It provides durability and reliability to meet the needs of professionals in the office or on the road. Business travellers in any industry will appreciate its performance gains, as will medical professionals, software developers, video editors, designers, IT workers and law enforcement officials.

SSDNow V+100 feature an independent garbage collection function that maintains a system at optimum performance level. This is especially important for systems running on Windows XP, which doesn't feature TRIM, and it will also help organizations extend the software cycle on their systems, delaying upgrades of operating systems and compatible applications.

SSDNow is backed by a three-year warranty, live 24/7 tech support and legendary Kingston® reliability.

Features

- **Innovative** — uses MLC NAND flash memory components.
- **Silent** — runs silent and cool with no moving mechanical parts
- **Shock-Proof** — no moving mechanical parts so the SSD handles rougher conditions
- **Supports TRIM¹** — Ensures maximum performance on compatible operating systems
- Supports S.M.A.R.T functions
- **Garbage collection feature** — ensures maximum performance on Operating Systems not supporting TRIM
- **Guaranteed** — three-year warranty, live 24/7 tech support

Specifications

- **Form factor** — 2.5"
- **Interface** — SATA 1.5Gb/s and 3.0Gb/s
- **Capacities²** — 64 GB, 96 GB, 128 GB, 256 GB, 512 GB
- **Dimensions** — 69.85 x 100 x 9.5 mm
- **Weight** — 128 - 151 grams
- **Storage temperatures** — -40 ~ 85°C
- **Operating temperatures** — 0 ~ 70°C
- **Vibration operating** — 2.7G
- **Vibration non-operating** — 20G
- **Sequential Read Throughput³** — 230 MB/s
- **Sequential Write Throughput³** — 180 MB/s
- **PCMARK® Vantage HDD Suite Score⁴** —
 - 64 GB — 35,046
 - 96 GB — 34,971
 - 128 GB — 35,073
 - 256 GB — 34,795
 - 512 GB — 34,697
- **Power specs** — Active - 3.4W (TYP)
Idle - 0.05W
- **MTBF** — 1,000,000 Hrs

Kingston SSDNow V+100 Part Numbers:

- SVP100S2/64G** (stand-alone drive)
- SVP100S2/96G** (stand-alone drive)
- SVP100S2/128G** (stand-alone drive)
- SVP100S2/256G** (stand-alone drive)
- SVP100S2/512G** (stand-alone drive)
- SVP100S2B/64GR** (upgrade bundle kit)
- SVP100S2B/96GR** (upgrade bundle kit)
- SVP100S2B/128GR** (upgrade bundle kit)
- SVP100S2B/256GR** (upgrade bundle kit)
- SVP100S2B/512GR** (upgrade bundle kit)

1 Windows 7, Windows Server 2008 R2, Linux 2.6.33

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 Guide at kingston.com/flash_memory_guide.

3 Speed may vary due to host hardware, software and usage.

4 Test system: Intel DG45ID Desktop Motherboard, Intel Core 2 Quad Q9550 CPU @ 2.83GHz. System Memory 4GB, On-Board SATA 3Gbps with AHCI-Enabled Window 7 64-bit.

Product specifications subject to change without notice.

Bundle includes Acronis® True Image HD system cloning software and instructions, mounting brackets, USB external enclosure and cables.

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