

# SSDNow UV400

[kingston.com/ssd](http://kingston.com/ssd)

## Breathe new life into your system.

Kingston's SSDNow UV400 is powered by a four-channel Marvell controller for incredible speeds and higher performance compared to a mechanical hard drive. It dramatically improves the responsiveness of your existing system and is 10 times faster than a 7200RPM hard drive<sup>1</sup>.

Rugged and more reliable and durable than a hard drive, UV400 is built using Flash memory so it's shock- and vibration-resistant and less likely to fail than a mechanical hard drive. Its ruggedness makes it ideal for notebooks and other mobile computing devices.

For easy installation, UV400 is available in a bundle kit that includes everything needed to get the SSD installed into your existing system, including a USB enclosure to transfer data, a 2"-3.5" adapter to mount in a desktop environment, a SATA data cable and a coupon for an Acronis data migration software download<sup>2</sup>.

UV400 is available in multiple capacities, from 120GB to 960GB<sup>3</sup>, giving you plenty of space for all your files, applications, videos, photos and other important documents. It's the ideal hard drive replacement and can also replace a smaller SSD in your system to give you all the room you need.

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- › 10 times faster than a 7200RPM hard drive<sup>1</sup>
  - › More reliable and durable than a hard drive
  - › Available as a bundle kit for easy installation
  - › Multiple capacities to meet your needs



Features/specs on reverse >>



# SSDNow UV400

## FEATURES/BENEFITS

- > **10x faster than a HDD** — Its incredible read/write speeds will not only increase performance but also breathe life into existing systems.
- > **Marvell controller** — UV400 is powered by a four-channel Marvell controller that delivers impressive speeds with both compressible and incompressible data. It has a processor optimized for performance and endurance.
- > **Rugged** — UV400 is shock- and vibration-resistant for rugged reliability in notebooks and other mobile computing devices.
- > **Available in a bundle kit** — With everything needed to copy over your existing hard drive<sup>2</sup>, the UV400 bundle kit is ideal for do-it-yourself installation.

## SPECIFICATIONS

- > **Form factor** 2.5"
- > **Interface** SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
- > **Capacities**<sup>3</sup> 120GB, 240GB, 480GB, 960GB
- > **Controller** Marvell 88SS1074
- > **NAND** TLC
- > **Baseline Performance<sup>1</sup>**
  - Data Transfer (ATTO)**
    - 120GB — up to 550MB/s Read and 350MB/s Write
    - 240GB — up to 550MB/s Read and 490MB/s Write
    - 480GB — up to 550MB/s Read and 500MB/s Write
    - 960GB — up to 540MB/s Read and 500MB/s Write
  - > **Maximum Random 4k Read/Write (IOMETER)**
    - 120GB — up to 90,000 IOPS and 15,000 IOPS
    - 240GB — up to 90,000 IOPS and 25,000 IOPS
    - 480GB — up to 90,000 IOPS and 35,000 IOPS
    - 960GB — up to 90,000 IOPS and 50,000 IOPS
  - > **Power Consumption**
    - 0.672W Idle / 0.693W Avg / 0.59W (MAX) Read / 2.515W (MAX) Write
  - > **Storage temperature** -40°C~85°C
  - > **Operating temperature** 0°C~70°C
  - > **Dimensions** 100.0mm x 69.9mm x 7.0mm
  - > **Weight** 57g
  - > **Vibration operating** 2.17G Peak (7–800Hz)
  - > **Vibration non-operating** 20G Peak (10–2000Hz)
  - > **Life expectancy** 1 million hours MTBF
  - > **Warranty/support<sup>4</sup>** Limited 3-year warranty with free technical support
  - > **Total Bytes Written (TBW)<sup>5</sup>**
    - 120GB: 50TB
    - 240GB: 100TB
    - 480GB: 200TB
    - 960GB: 400TB



## KINGSTON PART NUMBERS

- SUV400S37/120G Stand-alone drive
- SUV400S37/240G Stand-alone drive
- SUV400S37/480G Stand-alone drive
- SUV400S37/960G Stand-alone drive
- SUV400S3B7A/120G Desktop/Notebook upgrade kit
- SUV400S3B7A/240G Desktop/Notebook upgrade kit
- SUV400S3B7A/480G Desktop/Notebook upgrade kit
- SUV400S3B7A/960G Desktop/Notebook upgrade kit

## PACKAGE CONTENTS

- Desktop/Notebook Upgrade Kit Includes:
- 2.5" SSD
  - 2.5" USB enclosure
  - 3.5" bracket and mounting screws
  - SATA power and data cable
  - 7mm to 9.5mm adapter
  - Hard drive cloning software – download coupon<sup>2</sup>

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 SATA Rev. 3.0 motherboard. Speed may vary due to host hardware, software and usage. IOMETER Random 4k Random Read/Write is based on 8GB partition.
- Operating system software support: Windows® 8.1, 8, 7 (SP1), Vista® (SP1, SP2), XP (SP3).
- 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](http://kingston.com/flashguide).
- Limited warranty based on 3 years or SSD "Life Remaining" which can be found using the Kingston SSD Manager ([kingston.com/SSDManager](http://kingston.com/SSDManager)). A new, unused product will show a wear indicator value of one hundred (100), whereas a product that has reached its endurance limit of program erase cycles will show a wear indicator value of one (1). See [kingston.com/wa](http://kingston.com/wa) for details.
- Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).



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TECHNOLOGY