

# IronKey S1000

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

## Uncompromising data security.

Kingston's IronKey™ S1000 meets the strictest standards to make it the ultimate security drive. Safeguard 100 per cent of confidential data with 256-bit AES hardware-based encryption, in XTS mode, and FIPS 140-2 Level 3 validation with on-device Cryptochip Encryption Key management. The drive detects and responds to physical tampering and provides automatic data protection upon drive removal. For added peace of mind, the drive uses digitally-signed firmware that makes it immune to BadUSB. The drive locks down after ten invalid password attempts and there is also the option to reformat or destroy the drive.

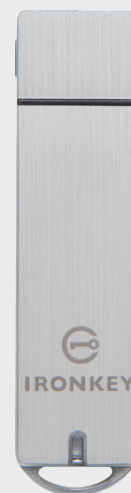
### Basic model

Available in 4GB to 128GB<sup>1</sup> capacities, the S1000 basic model provides fast USB 3.0<sup>2</sup> performance and enhanced, hardware-based security without compromise. Meeting the most stringent standards for military-grade strength and durability, the drive is built with an anodised aluminium enclosure and epoxy-filled casing. Dust- and shock-resistant, the S1000 is waterproof to MIL-STD-810F standards.

### Enterprise model

In addition to the basic model qualities, the S1000 enterprise version offers central administration of drive access and usage across thousands of IronKey enterprise drives with the intuitive, easy to use and secure online interface<sup>3</sup>. Using an activated licence and available IronKey EMS by DataLocker, the drive works with either cloud-based or on-premises servers to remotely enforce password and access policies, allow users to recover lost passwords and even let administrators repurpose drives no longer in use.

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- › On-device Cryptochip provides the ultimate layer of hardware security
  - › FIPS 140-2 Level 3
  - › Enhanced hardware-based security; XTS-AES 256-bit
  - › Rugged, secure casing in anodised aluminium
  - › Centrally manage drive access and usage
  - › Fast USB 3 performance



Features/specs on reverse >>

# IronKey S1000

## FEATURES/BENEFITS

- > **Strictest data security around** — Secure lock helps comply with a growing list of regulations and standards including FIPS, GLBA, HIPAA, HITECH, PCI, GTSA.
- > **Military-grade strength and durability** — For a drive built to last.
- > **Easily manage thousands of IronKey drives** — Centrally administer access and usage policies.
- > **128GB of storage space** — Securely carry the biggest datasets and files.

## SPECIFICATIONS

- > **Interface** USB 3.0
- > **Capacities<sup>1</sup>** 4GB, 8GB, 16GB, 32GB, 64GB, 128GB
- > **Speed<sup>2</sup> USB 3.0:** 4GB-32GB 180MB/s read, 80MB/s write  
64GB: 230MB/s read, 160MB/s write  
128GB: 230MB/s read, 240MB/s write
- > **USB 2.0:** 4GB-128GB: 40MB/s read, 35MB/s write
- > **Dimensions** 82.3mm x 21.1mm x 9.1mm
- > **Waterproof** up to 3 ft; MIL-STD-810F
- > **Operating temperature** 0°C to 70°C
- > **Storage temperature** -40°C to 85°C
- > **Compatibility** USB 3.0 compliant and 2.0 compatible
- > **Minimum system requirements**  
USB 3.0 compliant and 2.0 compatible  
two (2) free drive letters required for use<sup>4</sup>
- > **IronKey EMS by DataLocker** licence required  
(Enterprise version only)<sup>1</sup>
- > **Warranty/support** 5-year warranty, free technical support
- > **Basic model compatible with** Windows® 10, Windows 8.1, Windows 8, MacOS (v. 10.12.x - 10.15.x), Linux (Kernel v.4.4.x +)<sup>5</sup>
- > **Enterprise model compatible with** Windows® 10, Windows 8.1, Windows 8, MacOS (v. 10.12.x - 10.15.x), Linux (Kernel v.4.4.x +)<sup>5</sup>



## COMPATIBILITY TABLE

IronKey S1000 Basic model <sup>i</sup>	
Windows® 10, 8.1, 8	✓
Mac OS X v.10.12.x – 10.15.x	✓
Linux v.4.4.x+ <sup>5</sup>	✓

IronKey S1000 Enterprise model <sup>ii</sup>	
Windows® 10, 8.1, 8	✓
Mac OS X v.10.12.x – 10.15.x	✓
Linux v.4.4.x+ <sup>5</sup>	✓

## PART NUMBERS

### Basic model

IKS1000B/4GB  
IKS1000B/8GB  
IKS1000B/16GB  
IKS1000B/32GB  
IKS1000B/64GB  
IKS1000B/128GB

### Enterprise model

IKS1000E/4GB  
IKS1000E/8GB  
IKS1000E/16GB  
IKS1000E/32GB  
IKS1000E/64GB  
IKS1000E/128GB

1 Some of the listed capacity on a Flash storage device is used for formatting and other functions and is thus 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 Speed may vary due to host hardware, software and usage.

3 Enterprise model only. IronKey EMS by DataLocker, purchased separately.

4 First free drive letters after physical devices such as system partition, optical drives etc.

5 Supports i386/x86\_64 Intel and AMD-based processors only. Certain distributions of Linux will require super-user (root) privileges in order to execute the DataTraveler commands properly in the terminal application window.

i. S1000 Basic: Linux 32-bit OS support. The drive must first be initialised on either a supported Windows or Mac OS. It supports the following Linux commands: login, logout and password change.

ii. S1000 Enterprise – (Forced Managed): Linux 32-bit OS support. Must be initialised on a supported Windows or Mac OS and is limited only to locking and unlocking the protected data partition on Linux OS (none of the managed features work on Linux and if the admin creates a policy that requires the drive to call home every time it is used, this would mean the drive will not work on Linux. The drive cannot communicate to the server while it is being used on Linux).

