

IRONKEY S1000

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. S1000 allows for two passphrase types: either a complex password or a passphrase up to 255 characters long. After ten invalid password attempts, the drive locks down with the option to reformat or destroy it.

Basic model
Available in 4GB to 128GB[2] capacities, the S1000 basic model provides fast USB 3.0[3] 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, secure online interface[1]. Using an activated licence with SafeConsole Management service, 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.

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

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FEATURES / BENEFITS

Strictest data security around — Secure lock helps comply with a growing list of regulations and standards including Federal Information Processing Standards (FIPS), Gramm-Leach-Bliley Act (GLBA), Health Insurance Portability and Accountability Act (HIPAA), Health Information Technology for Economic and Clinical Health (HITECH), Payment Card Industry (PCI) and more.

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
4GB, 8GB, 16GB, 32GB, 64GB, 128GB

Speed[3]
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: 40/MB/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[4]
SafeConsole management service
licence required (Enterprise version only)[1]

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 +)[5]

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 +)[5]



KINGSTON PART NUMBERS

Basic model	Enterprise model
IKS1000B/4GB	IKS1000E/4GB
IKS1000B/8GB	IKS1000E/8GB
IKS1000B/16GB	IKS1000E/16GB
IKS1000B/32GB	IKS1000E/32GB
IKS1000B/64GB	IKS1000E/64GB
IKS1000B/128GB	IKS1000E/128GB

1. Enterprise model only. SafeConsole management service by DataLocker, purchased separately.
2. 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.
3. Speed may vary due to host hardware, software and usage.
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 to only 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 call home every time it is used, this would mean the drive won't work on Linux. The drive can't communicate to the server while it is being used on Linux).

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