Kingston IronKey S1000 Encrypted USB Flash Drive

On-Device Cryptochip and FIPS 140-2 Level 3 Certified

Kingston IronKey™ S1000 meets the strictest standards to make it the ultimate security drive. Safeguard 100 percent 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 making 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.

- 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
- Anodized Aluminum rugged secure casing
- Centrally manage drive access and usage[1]
- USB 3.0 Fast performance

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 anodized aluminum 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 license 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.

Key Features

- ### 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[2]	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: 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[4] SafeConsole management service License Required (Enterprise Version Only)[1]
Warranty/support	5-year warranty, free technical support
Compatible with	Windows® 11, 10, macOS® 11.x – 14.x, Linux[5] Kernel 4.4+

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

Product Image

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 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.
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. Feature support on Linux is limited. Refer to user manual for more details. Certain distributions of Linux will require super-user (root) privileges in order to execute the IronKey commands properly in the terminal application window.