

Kingston IronKey Hardware-Encrypted Drives - Security Solutions

Manage mobile data threats and reduce risks



Your company is at risk whenever employees use their own drives to travel with data and take work home. Protect sensitive data by standardising on a hardware-encrypted Kingston® IronKey™ USB flash drive or external SSD. With several models and capacities to choose from, there's one that's ideal for your company's needs, whether you're looking for mobile data security or have to comply with data-at-rest or data-in-transit directives, laws, standards or global regulations, such as GDPR or CCPA.

All IronKey drives are covered by a five-year warranty (IronKey Vault Privacy 80 ES and IronKey Keypad 200 Series have a three-year warranty; IronKey D500SM has a two-year warranty), free technical support and legendary Kingston reliability. All drives below are 100% hardware-encrypted to meet the strictest security policies. For more information, go to kingston.com/ironkey



Featured Description	IronKey Vault Privacy 50 Series	IronKey Vault Privacy 80 ES	IronKey Keypad 200 Series	IronKey D500S	IronKey S1000
Part Number	IKVP50/xxGB USB-A IKVP50C/xxGB USB-C	IKVP80ES/xxG	IKKP200/xxGB USB-A IKKP200C/xxGB USB-C	IKD500S/xxGB Serialized IKD500SM/xxGB Managed	IKS1000B/xxGB Basic IKS1000E/xxGB Enterprise
Security Level	Enterprise Mainstream	Enterprise Mainstream	Military Grade	Military Grade/Best-in-Class	Military Grade/Best-in-Class
Capacities ²	8-512GB	480-7,680GB	8-256GB USB-A 8-512GB USB-C	8-512GB	4-128GB
256-bit AES Hardware Encryption Mode	XTS	XTS	XTS	XTS	On Device Cryptochip + XTS
FIPS Validated ³	FIPS 197	FIPS 197	FIPS 140-3 Level 3 (Pending)	FIPS 140-3 Level 3 (Pending)	FIPS 140-2 Level 3
Multi-Password Support	Admin/User/One-Time Recovery	Admin/User	Admin/User	Admin/User/One-Time Recovery	
Passphrase Mode and Max Length	Up to 64	Up to 64	Up to 15	Up to 128	Up to 255
Eye Symbol to See Password Entry	✓	✓		✓	
Digitally Signed Firmware	✓	✓	✓	✓	✓
BadUSB Malware Protection	✓	✓	✓	✓	✓
Brute-Force Password Attack Protection	✓	✓	✓	✓	✓
TAA-Compliant	✓	✓		✓	✓
GDPR Ready ⁶	✓	✓	✓	✓	✓
Ready Only Access	✓	✓	✓	✓	✓
Tamper Protection		CC EALS+ certified secure microprocessor	Epoxy	Epoxy Filled	Epoxy Filled
Dual Hidden Partition				✓	
Crypto-Erase Password				✓	
Waterproof/Dustproof ⁴	IPx8		IP68	IP67, MIL-STD-810F	MIL-STD-810F
Customizable Options ⁵	✓		Co-Logo	✓	
Virtual Keyboard	Windows® and macOS®	Touch Screen		Windows® and macOS®	Windows® only
Enterprise Management Option	Local Management Option for Small/Medium Businesses			D500SM (SafeConsole)	S1000E (SafeConsole)
Custom PID - Endpoint / DLP Compatible	✓			✓	
Case Material	Anodised Aluminium	Zinc and Plastic	Anodised Aluminium	Zinc	Anodised Aluminium
USB Interface	USB 3.2 Gen 1	USB 3.2 Gen 1 External SSD	USB 3.2 Gen 1	USB 3.1 Gen 1	USB 3.1 Gen 1
Operating Systems Supported					
Windows® 11, 10	✓	✓ OS Independent	✓ OS Independent	✓	✓
macOS® 10.15x - 13.x	✓	✓ OS Independent	✓ OS Independent	✓	✓
Linux Kernel ⁶ v4.4+		✓ OS Independent	✓ OS Independent	✓ ⁷	✓ ⁸

1 USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.

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. For more information, visit the Memory Guide at kingston.com/flashguide.

3 Federal Information Processing Standards (FIPS) 140-2: "Security Requirements for Cryptographic Modules". For more information, visit <http://csrc.nist.gov/publications/PubsFIPS.html>.

4 IEC 60529 certified for waterproof with the cap on. Product must be clean and dry before use.

5 For more information, visit kingston.com/ironkey

6 Linux commands support i386/x86_64 Intel and AMD-based processors only – limited features.

7 IKD500S and IKD500SM: Linux 32-bit and 64-bit OS support. Limited features.

8 IKS1000B and IKS1000E: Linux 32-bit (and 64-bit if it has been updated to v6.x.x software) OS support. Limited features.

9 Encryption can be part of a GDPR programme but does not ensure GDPR compliance.



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