

Kingston IronKey D500S hardware-encrypted USB flash drive



FIPS 140-3 Level 3 (Pending) Certified, XTS-AES 256-bit hardware encrypted, rugged zinc casing

The Kingston IronKey™ D500S USB flash drive features military-grade security to safeguard classified data. It is FIPS 140-3 Level 3 (Pending) certified with new enhancements from NIST for stronger security and attack protections for government and military use. Data is encrypted and decrypted on D500S without a trace left on the host system. With hardware-based XTS-AES 256-bit encryption, it features a rugged zinc casing that is waterproof¹, dustproof¹, shock and vibration resistant to military standards², crush resistant and epoxy filled to protect internal components from penetration attacks.

- FIPS 140-3 Level 3 (Pending) certified for flagship military-grade security
- Multi-Password option with Complex/Passphrase modes
- Industry-first Dual Hidden Partition option
- Crypto-Erase password for compromising situations
- Rugged zinc casing for penetration attack protection, military-standard shock and vibration protection, IP67 waterproof/dustproof³
- User-friendly interface
- Fully customisable features

Specifications

Key certifications	FIPS 140-3 Level 3 (Pending) MIL-STD-810F TAA/CMMC compliant, assembled in the USA
Interface	USB 3.2 Gen 1
Capacities*	16GB, 32GB, 64GB, 128GB, 256GB, 512GB
Connector	Type-A
Speed ⁴	USB 3.2 Gen 1 16GB – 128GB: 260MB/s read, 190MB/s write 256GB: 240MB/s read, 170MB/s write 512GB: 310MB/s read, 250MB/s write USB 2.0 16GB – 512GB: 30MB/s read, 20MB/s write
Dimensions	79.5mm x 20.0mm x 10.0mm
Waterproof/Dustproof ⁵	IP67 certified
Operating temperature	0°C to 50°C
Storage temperature	-20°C to 85°C
Compatibility	USB 3.0/USB 3.1/USB 3.2 Gen 1
Customisation options	Enable, disable, modify drive features and profile. Co-logo.
Warranty/support	5-year warranty, free technical support
Compatible with	Windows® 11, 10, macOS® 12.x – 15.x, Linux® Kernel 4.4+

IKD500S/16GB

IKD500S/32GB

IKD500S/64GB

IKD500S/128GB

IKD500S/256GB

IKD500S/512GB

* 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 product. For more information go to Kingston's [Flash Memory Guide](#).

1. Please refer to the datasheet specifications. Product must be clean and dry before use.
2. MIL-STD-810F-certified for mechanical shock, vibration and drop tests.
3. Product must be clean and dry before use
4. Speed may vary due to host hardware, software and usage.
5. IEC 60529 IPX8-certified as waterproof with the cap on. Product must be clean and dry before use.
6. 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.



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