Kingston IronKey D500S USB flash drive



FIPS 140-3 Level 3 Validated, XTS-AES 256-bit hardware-encrypted with trusted supply chain

Kingston IronKey™ D500S best-in-class USB flash drive features military-grade and CMMC-compliant security to safeguard classified data. It is FIPS 140-3 Level 3 Validated with new enhancements from NIST for stronger security and attack protections. It features a rugged zinc casing that is waterproof[1], dustproof[1], shock and vibration resistant[2], crush resistant and epoxy filled. Designed and assembled by Kingston in California, D500S is the world's first FIPS 140-3 Level 3 Validated drive with a TAA-compliant trusted supply chain.

- FIPS 140-3 Level 3 Validated for flagship military-grade security
- Trusted supply chain for additional security compliance for government, military and enterprise uses
- 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/dustproof[1],[2]
- User-friendly interface
- Fully customisable features

Specifications

Key certifications	FIPS 140-3 Level 3 Validated, certificate #5029 MIL-STD-810F TAA/CMMC compliant Designed and assembled in the USA
Interface	USB 3.2 Gen 1
Capacities*	16GB, 32GB, 64GB, 128GB, 256GB, 512GB
Connector	Type-A
Speed[3]	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[1]	IP67 certified
Operating temperature	0℃ to 50℃
Storage temperature	-20℃ to 85℃
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[4] Kernel 4.4+

Part Numbers IKD500S

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. IEC 60529 IPX8-certified as waterproof with the cap on. Product must be clean and dry before use.

2. MIL-STD-810F-certified for mechanical shock, vibration and drop tests.

3. Speed may vary due to host hardware, software and usage.

4. 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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