



Kingston IronKey D500S hardware-encrypted USB Flash Drive

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

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 which 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 standards shock and vibration, IP67 waterproof/dustproof³
- User-friendly interface
- Fully customizable features

Specifications

| | |
|-----------------------------------|--|
| Key certifications | FIPS 140-3 Level 3 (Pending) MIL-STD-810F TAA/CMMC compliant, assembled in 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 |
| Customization 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+ |

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. Please refer to datasheet's specification. 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 for waterproof with the cap on. Product must be clean and dry before use.



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