

Kingston IronKey Keypad 200 Series

FIPS 140-3 Level 3 (Pending) with XTS-AES 256-bit Hardware Encryption

The Kingston IronKey™ Keypad 200 series are OS-independent, hardware-encrypted USB Type-A and USB Type-C®[1] drives with an alphanumeric keypad for easy-to-use PIN access.

The KP200 incorporates XTS-AES 256-bit hardware-based encryption. It also is FIPS 140-3 Level 3 (Pending) certified for military-grade security with enhancements that further raise the bar for data protection. Its circuitry is covered by a layer of special epoxy that makes it virtually impossible to remove components without damaging them; this tough epoxy stops attacks against the semiconductor components. The drive is designed to be tamper evident to alert owners. It also incorporates brute force password attack protection, and BadUSB protection with digitally signed firmware. The alphanumeric keypad is coated with a layer of polymer that protects the keys and hides key usage through analysis of fingerprints on the keys.

KP200 series utilises a built-in rechargeable battery that can be used to unlock the drive first without using any software, and then plug it into any device that supports USB Type-A or USB Type-C mass storage devices. This gives users the most flexibility across different platform types and operating systems.

With the Multi-PIN option (Admin/User), the keypad can be used to set up an easy-to-remember but hard-to guess alphanumeric PIN for the Admin or User accounts. Admin can restore a User PIN and provide access to the drive should the User PIN be forgotten, or if the drive is locked after reaching the maximum of 10 User login attempts. With both Admin and User PINs enabled, KP200 will lock the User PIN after 10 failed login attempts; if the Admin PIN is entered incorrectly 10 times in a row, brute force attack protection will crypto-erase the drive, destroy the data forever, and reset it.

The drive also provides two levels of Read-Only (or Write-Protect) modes – a Global mode that can be set by Admin, and a session-only mode that can be set by User. Read-Only modes can protect the drive from malware on untrusted systems. In

addition, Admin can load content and set Global Read-Only mode, so that User can access the data but not make any changes.

KP200C offers fast dual-channel performance on drives with 64GB-512GB capacities.

- FIPS 140-3 Level 3 (pending) certified
- OS/device independent
- Multi-PIN (Admin and User) option
- Global or Session Read-Only option

Key Features

FIPS 140-3 Level 3 (pending) certified

KP200 now meets the new FIPS 140-3 Level 3 military-grade security specifications published by NIST. This is an enhanced version of the FIPS 140-2 specifications that further enhances the drive's security capabilities and tamper resistance. It includes XTS-AES 256-bit encryption along with brute force and BadUSB attack protection with digitally signed firmware. Its circuitry is covered by a layer of special epoxy that makes it virtually impossible to remove components without damaging them; this tough epoxy stops attacks against the semiconductor components

OS and device independent

With KP200 utilising a rechargeable battery, the keypad can be used to unlock the drive without using any software, then plug it into any system that supports USB Type-A or USB Type-C mass storage device. This gives users the most flexibility across different platform types and operating systems.

Multi-PIN option

Users have the option to set up a User or an Admin/User mode. Admin can be used to restore a User PIN and provide access to the drive should User PIN be forgotten or if the drive is locked after reaching the maximum of 10 User login attempts.

Global and Session Read-Only (write protect) modes

Both Admin and User can set a session-based Read-Only mode to protect the drive from malware on untrusted systems. Admin can also set a Global Read-Only mode that sets the drive in Read-Only mode until reset.

Specifications

Interface	USB 3.2 Gen 1

Connector	Type-A, Type-C
Capacities[2]	Type-A: 8GB, 16GB, 32GB, 64GB, 128GB, 256GB Type-C: 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB
Speed[3]	USB 3.2 Gen 1 Type-A: 145MB/s read, 115MB/s write Type-C: 8GB – 32GB: 145MB/s read, 115MB/s write 64GB – 512GB: 280MB/s read, 200MB/s write USB 2.0 8GB: 30MB/s read, 12MB/s write 16GB – 512GB: 30MB/s read, 20MB/s write
Dimensions (drive with sleeve)	80mm x 20mm x 11mm
Dimensions (drive without sleeve)	Type-A: 78mm x 18mm x 8mm Type-C: 74mm x 18mm x 8mm
Security certifications	FIPS 140-3 Level 3
Waterproof/Dustproof[4]	IP68 certified
Operating temperature	0°C to 50°C
Storage temperature	-20°C to 60°C
Compatibility	USB 3.0/USB 3.1/USB 3.2 Gen 1
Minimum system requirements	USB 3.0 compliant and 2.0 compatible
Warranty/support	Limited 3-year warranty, free technical support

Compatible with	OS-independent: Microsoft Windows®, macOS®, Linux®, Chrome OS™, Android ™[5] or any system that supports a USB mass storage device.

Part Numbers

USB-A

IKKP200/8GB
IKKP200/16GB
IKKP200/32GB
IKKP200/64GB
IKKP200/128GB
IKKP200/256GB

USB-C

IKKP200C/8GB
IKKP200C/16GB
IKKP200C/32GB
IKKP200C/64GB

IKKP200C/128GB
IKKP200C/256GB
IKKP200C/512GB

Product Image



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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 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. Product must be clean and dry before use
5. Compatible systems.

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