

IRONKEY VAULT PRIVACY 50 SERIES

Hardware-encrypted for Data Security

Kingston IronKey Vault Privacy 50 series are premium USB drives Type-A and Type-C®[1] that provide business-grade security with FIPS 197 certified AES 256-bit hardware-encryption in XTS mode, including safeguards against BadUSB with digitally-signed firmware and against Brute Force password attacks. Because it is encrypted storage under the user's physical control, VP50 series are superior to using the internet and Cloud services to safeguard data.

Vault Privacy 50 supports multi-password (Admin, User, and One-Time Recovery) option with Complex or Passphrase modes. This enhances the ability to recover access to the data if one of the passwords is forgotten. Traditional Complex mode allows for password from 6-16 characters using 3 out of 4 character sets. New passphrase mode allows for a numeric PIN, sentence, list of words, or even lyrics from 10 to 64 characters long. Admin can enable a User and a One-Time Recovery password, or reset the User password to restore data access. To aid in password entry, the "eye" symbol can be enabled to reveal the typed-in password, reducing typos leading to failed login attempts. Brute Force attack protection locks out User or One-Time Recovery passwords upon 10 invalid passwords entered in a row, and crypto-erases the drive if the Admin password is entered incorrectly 10 times in a row.

To protect against potential malware on untrusted systems, both Admin and User can set Read-Only mode to write-protect the drive; additionally, the built-in virtual keyboard shields passwords from keyloggers or screenloggers.

FIPS 197 certified and TAA compliant, organizations can customize and configure VP50 series drives with a Product ID (PID) for integration with standard Endpoint Management software to meet corporate IT and cybersecurity requirement through Kingston's Customization Program.

Small and Medium Businesses can use the Admin role to locally manage their drives, e.g. use Admin to configure or reset employee User or One-Time Recovery passwords, recover data access on locked drives, and comply with laws and regulations when forensics are required.

- **FIPS 197 Certified with XTS-AES 256-bit Encryption**
- **Brute Force and BadUSB Attack Protection**
- **Multi-Password Option with Complex/Passphrase modes**
- **New Passphrase Mode**
- **Dual Read-Only (Write-Protect) Settings**
- **Locally Manage Drives for Small and Medium Businesses**

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FEATURES / BENEFITS

Hardware-encrypted USB Drive for Data Protection — Safeguard important data with FIPS 197 certified XTS-AES 256-bit encryption. Built-in protections against BadUSB, Brute Force attacks.

Multi-Password Option for Data Recovery — Enable Admin, User and One-Time Recovery passwords. Admin can reset a User password and create a One-Time recovery password to restore User's access to data. Brute Force attack protection locks out User or One-Time Recovery passwords upon 10 invalid passwords entered in a row and crypto-erases the drive if the Admin password is entered incorrectly 10 times in a row.

New Passphrase Mode — Select between Complex or Passphrase password mode. Passphrases can be a numeric PIN, sentence with space characters, list of words, or even lyrics – from 10 to 64 characters long.

Dual Read-Only (Write-Protect) Settings — Avoid malware attacks with a forced Read-Only mode set by Admin for User, or a session-based Read-Only mode set by Admin or User.

Locally Manage Drives for Small and Medium Businesses — Use Admin role to locally manage employee User and One-Time Recovery passwords, recover data access on locked drives, and comply with laws and regulations when forensics are required.

Additional Security Features — Reduce failed login attempts and frustration by enabling "eye" button to view password typed. Use virtual keyboard to shield password entry from keyloggers and screenloggers.

SPECIFICATIONS

Interface
USB 3.2 Gen 1

Capacities[2]
8GB, 16GB, 32GB, 64GB, 128GB, 256GB

Connector
Type-A, Type-C

Speed[3]
USB 3.2 Gen 1
8GB – 128GB: 250MB/s read, 180MB/s write
256GB: 230MB/s read, 150MB/s write

USB 2.0
8GB – 256GB: 30MB/s read, 20MB/s write

Dimensions
77.9 mm x 21.9 mm x 12.0 mm

Waterproof[4]
Up to 4 ft; IEC 60529 IPX8

Operating Temperature
0°C to 60°C

Storage Temperature
-20°C to 85°C

Compatibility
USB 3.0/USB 3.1/USB 3.2 Gen 1

Warranty/support
Limited 5-year warranty, free technical support

Compatible with
Windows® 11, 10, macOS® 10.15.x – 13.x



KINGSTON PART NUMBERS

Type-A	Type-C
IKVP50/8GB	IKVP50C/8GB
IKVP50/16GB	IKVP50C/16GB
IKVP50/32GB	IKVP50C/32GB
IKVP50/64GB	IKVP50C/64GB
IKVP50/128GB	IKVP50C/128GB
IKVP50/256GB	IKVP50C/256GB

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 and have the cap on.

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