

Trusted Storage

Cybersecurity

DiskCrypt M100



Simply Secure

DiskCrypt M100 is the world's first encrypting 2.5" USB 3.0 hard drive enclosure with 2FA smartcard protection. It employs real time hardware encryption for protecting the data on the hard drive and smartcard technology for authentication.

Designed to encrypt all data on-the-fly, DiskCrypt M100 requires no software installation and operates independently of the operating system. Together with full disk encryption and smartcard based authentication, DiskCrypt M100 gives you the ultimate level of protection with an unrivalled ease of use.

Key Features

Security

- Requiring a smartcard and a PIN offers a high level of security, equivalent to using your ATM card and PIN
- Real-time hardware-based AES encryption engine for complete data protection
- In-built keypad for PIN entry such that the entry of PIN is safe from trojans/keyloggers

Ease of Use

- Platform and operating system independent
- No software installation, upgrades, or patches required

Regulatory Compliance

DiskCrypt M100 employs smartcard technology to protect data in external USB hard disk drives. Its usage by enterprises will allow compliance with regulations such as HIPAA, GLB Act, Sarbanes-Oxley Act, EU Data Protection Directive, FISMA and Japan's Personal Information Protection Act.

Use Cases:

1) Secure portable storage/back-up

DiskCrypt M100 ensures that all the data stored (or backed up) on the hard disk is fully encrypted and safe from the prying eyes. What's more, the smartcard (containing the encryption key) as well as the correct PIN are both required to unlock the data, giving you the ultimate level of protection, yet ease of use.

2) Booting an operating system from DiskCrypt M100

An operating system such as Linux can be installed on DiskCrypt M100 to allow the user to carry a "portable OS". This also means your operating system is fully encrypted. Of course, both the host machine and the operating system must support booting from a USB device in the first place. Approach your OS vendor to advise.

Specifications

Bus Interface	USB 3.0
Physical	SATA 22 pin connector (Internal) USB 3.0 micro-B receptacle Smart card slot
Hard Disk	Any 2.5" disk of 9.5mm thickness
Dimensions	150mm (L) x 85mm (W) 20mm (H) that fits 9.5mm thickness hard disk
Power	5V, approx 300mA (excluding the power drawn by the HDD)
Authentication	Supports two-factor authentication via smart card and PIN
Smart Card	Supports FIPS 140-2 level 3 and Common Criteria EAL5+ certified smartcard (optional)
Encryption	AES hardware cipher engine Supported key strengths - 256 bits
Key Management	User-configurable smart card PIN Admin password for administrative mode
Operating Systems	Operating System independent Tested with Windows XP, Windows 7, Windows 8, Windows 10, Linux, Mac OS