

DiskCrypt

Secure Portable Storage



DiskCrypt M20



DiskCrypt M200

The DiskCrypt Series delivers certified, hardware-based encryption for secure data at rest across government, defence and critical infrastructure. Combining AES-XTS 256-bit encryption with smart-card two-factor authentication, it provides tamper resistant, software-free protection across Windows, Linux and macOS, supporting secure data mobility and regulatory compliance.

DiskCrypt M20 is a compact, high assurance portable drive offering 1 TB and 2 TB storage. It combines AES-XTS 256-bit hardware encryption with smart-card two-factor authentication for tamper resistant data protection. Software-free and compatible with Windows, Linux and macOS, it enables secure backups, field operations and sensitive data transfers.

DiskCrypt M200 is a rugged, high capacity portable drive offering 4 TB and 8 TB storage. It combines AES-XTS 256-bit hardware encryption with certified smart-card authentication and dedicated user and administrator modes. Software independent operation enables secure provisioning, key management, large scale backups and mission critical data mobility across demanding operational environments.

KEY CAPABILITIES



Hardware-Based Encryption
Protects sensitive data at rest using AES-XTS 256-bit encryption.



Smart-Card Authentication
Strengthens access control with secure two-factor authentication.



Tamper Resistant Protection
Safeguards encrypted data against unauthorised physical access and manipulation.



Secure Data Mobility
Enables protected storage and transfer of sensitive data across operational environments.



Software-Free Operation
Works independently of host software across Windows, Linux and macOS.

TECHNICAL HIGHLIGHTS



AES-XTS 256-bit Encryption
Hardware-based encryption for high assurance data at rest protection.



Smart-Card Two-Factor Authentication
Secure user authentication before access to encrypted data.



Certified Security Architecture
Designed around FIPS 140-2 Level 3 and Common Criteria EAL5+ security.



High Capacity SSD Storage
Supports capacities from 1 TB to 8 TB across the DiskCrypt portfolio.



Cross Platform, Software-Free Operation
Supports Windows, Linux and macOS without requiring encryption software.



SPECIFICATIONS

DiskCrypt M20

Bus Interface	• USB 3.1 Gen 2, SATA III
Physical	• USB 3.1 Type C Receptacle • Smart card slot
Capacity	• Supports 1TB and 2TB
Solid State Drive	• M.2 SATA III SSD (2280 form factor); TLC NAND flash type. Max height 3.6mm.
Power	• 5V, approximately 300 mA (600mA depending on SSD)
Authentication	• Supports two-factor authentication via smart card and PIN
Smart Card	• Supports FIPS 140-2 level 3 and Common Criteria EAL 5+ certified smart card
Encryption	• AES 256 XTS
Key Management	• User-configurable smart card PIN; Admin password for administrative mode
Operating Systems	• Operating system agnostic
Dimension & Weight	• 93 mm (L) x 61 mm (W) x 13 mm (H); < 100 g
Temperature Operating	• +5 °C to +45 °C
Storage Temperature	• -20 °C to +65 °C
Relative Humidity	• 0% to 90%
Mean Time Between Failures (MTBF)	• 100,000 hours

DiskCrypt M200

Bus Interface	• USB 3.1 Gen 2, SATA III
Physical	• USB 3.1 Type C Receptacle • Smart card slot
Capacity	• Supports 4TB and 8TB
Solid State Drive	• 2.5" SATA III SSD; TLC/MLC NAND flash type. Max height 9.5mm.
Power	• 5V, Approx. 300mA (1100mA depending on SSD)
Authentication	• Supports two-factor authentication via smart card and PIN • Authentication using T=0 smart cards
Smart Card	• Supports FIPS 140-2 level 3 and Common Criteria EAL 5+ certified smart card
Encryption	• AES 256 XTS
Key Management	• User-configurable smart card PIN; Admin password for administrative mode
Operating Systems	• Operating system agnostic
Dimension & Weight	• 150 mm (L) x 85 mm (W) x 20 mm (H); ~ 500 g
Temperature Operating	• +5 °C to +45 °C
Storage Temperature	• -20 °C to +65 °C
Relative Humidity	• 0% to 90%
Mean Time Between Failures (MTBF)	• 100,000 hours

