



FIPS Inside

Rocsafe MX

FIPS Certified Mobile Encrypted External Hard Drive
FireWire 800 and USB Ports

The world's first encrypted hard drive enclosure with FIPS level-2 Smartcard protection. It employs Real-Time Hardware Encryption and smartcard technology for authentication. Real-Time or "on-the-fly" encryption can encrypt and decrypt files transparently with no loss of performance. The files on the drive are accessible immediately after the key is entered without administrator access or software installation. It operates independently of the operating system.



A unique feature of Rocsafe MX Mobile is that it has an embedded keypad allowing you to key in your PIN directly onto the unit. This ensures protection from key-loggers that may be recording your keystrokes. Together with full disk encryption and smartcard based authentication, these features give you the ultimate level of protection with an unrivaled ease of use. Rocsafe MX has an eNova hardware-based cryptographic module that encrypts every single byte of data that is written onto the hard disk in a real-time without any loss in disk performance.

SPECIAL FEATURES:

- **Two Factor Authentication (Smartcard plus password)**
Rocsafe MX Mobile authenticates the user every time it is plugged into a PC. To give your data the highest level of security, it uses a smartcard. You not only need to insert a smartcard ("something you have") but also need to key in a PIN ("something you know") before the hard drive becomes accessible. This use of two factors for authentication gives you the same level of security offered by bank ATM's cards.
- FIPS 140-2 Certified chipset and Smartcard
- Encryption: AES-256 bit; Strong CBC Mode;
- Hardware based (not a software embedded in a chip);
- Real-Time (No, down time in encryption or decryption);
- No software is required; Independent of Operating Systems.
- Enhanced Shock-Absorbent and Robust casing.
- Incorporates SATA Hard Drive.
- Connects to USB and FireWire 800(400) ports.
- Bus powered and bootable.
- Speeds up to 800 Mbit/s
- Cross-platform compatibility (Mac or Windows or Linux, etc.)



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(FIPS 140-2 Validated Cryptographic module
NIST and CSEC)



ROCSAFE MX SPECS

Capacity -
500GB, 640GB, 750GB

Rotational Speed -
5400 OR 7200 RPM

Interface -
FireWire 800, IEEE 1394b up to 800MB/s
USB 2.0 x 1 up to 480MB/s

Compatible Drives -
2.5" SATA-I and SATA-II

Dimensions (HxWxD) -
~4.8 x 3.1 x 0.89 in (122 x 78 x 22 mm)

Weight -
~0.75 lbs (~0.34 kilograms)

Operating Systems -
Operating System Independent, Windows 2000, Windows XP, Windows Vista, Windows 7, Linux, Mac OS 9, X, Leopard (Snow)

Pre-boot Authentication -
Two-factor authentication Smartcard and Password protected

Smartcard Authentication -
Two-factor authentication with ISO7816 compliant and FIPS 140-2 certified smartcard

Cipher Engine -
FIPS 140-2 certified chipset and smartcard

Power Requirement -
5V - 400mA (excluding the power drawn by the HDD), Bus Powered

Warranty -
2 year limited warranty,
Unlimited toll-free telephone tech support

Encryption NIST certified AES hardware cipher engine Supported key strengths 128-bit or 256-bit

PACKAGE CONTENTS:



Rocsafe Mx



Carrying Case



Smartcard



USB Cable



FireWire 800
(9 to 9 pin) Cable

MINIMUM SYSTEM REQUIREMENTS:

Mac and PC:

FireWire 800 (1394b IEEE) or
USB 2.0 (1.1) port(s.)

Mac: PowerPC or Intel Core Duo processor

PC: 266Mhz or faster Intel or equivalent processor

Recommended Memory: 512MB RAM

OS Requirements

Mac: PowerPC or Intel processor running Mac OS 9, X, (Snow) Leopard

PC: Microsoft® Windows 2000, Me, XP, Vista, or Windows 7.

Linux or Independent Operating System

Capacity Disclaimer: Actual accessible hard drive capacity will indicate up to 10% lower than stated under different Operating Systems and formatting. Therefore, a 500GB capacity drive will show up as a 450GB drive (approximately.)

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Designed/integrated/assembled in USA using domestic and/or foreign components.
Enclosure (without Hard Drive) is Made in China.

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