

ROCSAFE MX - the World's First Encrypted AES-256 Secure Data Storage Hard Drive with FIPS-L2 and L3 Smartcard Protection. It Employs Real-Time Hardware Encryption Security with Military Grade Caliber.

Los Angeles, California, U.S.A. – January 5, 2010 – ROCSECURE, a division of ROCSTOR, a leading provider of fast, high-capacity data storage and encryption solutions, announces its new generation ROCSAFE MX with FIPS Level 2 and 3 Smartcards.

Rocsecure - Rocsafe MX Mobile is the world's first encrypted hard drive enclosure with FIPS level-2/3 Smartcard protection. It employs Real-Time Hardware Encryption for protecting data on the hard drive and smartcard technology for authentication. Designed to encrypt all data on-the-fly, Rocsafe MX Mobile requires no software installation and operates independently of the operating system.

Another 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.

Rocsecure - Rocsafe MX is a hardware-based encryption device that secures data in a SATA hard disk drive against hackers and information-thieves. Uniquely designed as a bump-in-the-wire device on the SATA cable, the Rocsafe MX requires no mounting and simply plugs in-between the SATA connector on the board and the hard disk drive. It operates transparently and encrypts and decrypts all data written onto the hard disk in Real-Time without any loss performance.

Rocsafe MX does not require any additional software drivers or applications to be installed and is a fully independent of the operating system. Once deployed, users would be assured that all the data on the Rocsafe MX is fully protected from unauthorized access in the event the hard disk is lost or stolen.



Regulatory Compliance

Rocsafe MX employs data encryption and pre-boot authentication allowing organizations to better protect and control access to their corporate and customer records, thus complying with regulations such as Sarbames Oaxley, Health Insurance Portability and Accountability (HIPAA) and Gramm-Leach Billey (GLB).



The device also contains several high level security features, allowing enterprises and governmental department to take special precautions with sensitive data.

Real-time Hardware Encryption

Rocsecure - Rocsafe MX Mobile consists of eNova hardware-based encryption module that performs full disk operation, i.e. it encrypts every byte and every sector of data that is written onto the hard drive. Encryption and decryption happens in a real-time without any loss in disk performance. (Rocsafe does not employ software imbedded in a chip)

Hardware encryption has other advantages too. Since no software is required to be installed on the PC, you need not be concerned about Trojans/viruses or software upgrades. This generally reduces the total cost of ownership.

Two-factor Authentication

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 smartcards. 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 “credit” cards.



A unique feature of Rocsafe MX Mobile is that it has an embedded keypad (touch pad) for PIN entry. Since the entering of the PIN is done on the unit and not on the PC, the Rocsafe MX is safe from Trojans and key-loggers that may be recording your keystrokes. Further, this feature allows for authentication before the PC detects the drive. This translates to complete operating system independence – the OS only sees the USB drive after successful authentication and is unaware that data is being transparently encrypted.

Rocsafe MX authenticates the user every time the PC powers on or resumes from hibernation. The PC will only boot into the Operating System on the attached hard disk drive upon successful user authentication.

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Special Features:

- Pocket size external storage drive
- **Encryption:**
 - **AES-256 bit,**
 - **Stronge CBC Mode**
 - **Hardware based (not a software imbeded in a chip)**
 - **Real-Time (No, down time in encryption or decryption)**
 - **No software is required**
 - **Independent of Operationg Systems**
- Two Factor Authentication (Smartcard plus password)
- Robust Casing
- Enhanced Shock-Absorbent casing
- Incorporates SATA Hard Drive
- Connects to USB and FireWire 800(400) ports
- Bus powered and bootable
- Speeds up to 800 Mega Bytes per second
- Cross-platform compatibility (Mac or Windows® or Linux® ...)
- Includes all necessary cables



SPECIFICATIONS:

Capacities	Up to 500 GB securely in your pocket (750GB and 1TB will be available in 2 nd and 3 rd , quarter 2010)
Enclosure Type	2.5" external enclosure-Pocket size
Bus Interface	USB 2.0 and FireWire 800 (400)
Interface Transfer Rate	USB up to 480 Mbits/s FireWire up to 800 Mbits/s (FireWire 400 up to 400Mbits/s)
Compatible Drives	2.5" SATA-1 and SATA-II
Encryption	NIST certified AES hardware cipher engine Supported key strengths 256-bit AES (128-bit available upon request)
Operating Systems	Operating System Independent, Windows® XP, Windows Vista®, Windows 7®, Linux
Pre-boot Authentication	Password, Two-factor authentication with Smartcard cryptographic
Smartcard Authentication	Two-factor authentication with ISO7816, compliant smartcard Cipher engine FIPS Level-2 and/or L3
Smartcard Capabilities	Can be integrated with new generation of PIV or CAC app.
Certifications and Standards	Designed to comply with FIPS 140-2 level-2, Supports SATA-I/II compliant hard disk drive - FCC and CE Compliance
Power	5V - 400mA (excluding the power drawn by the HDD)
Physical	~4.8 x 3.1 x 0.89 Inches 122 x 78 x 22 mm (LxWxH)
Weight	~ 0.75 LB - 0.34 Kg

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Availability: ROCSAFE MX (F6) will be available at the end of January 2010, in a variety of capacities through selected national and international authorized Dealer/Reseller Channel. For more product information, visit <http://www.rocstor.com>



Integrated and assembled in the U.S.A.
using domestic and/or foreign components.
Rocstor is a California company, U.S.A.

About Rocstor:

Rocstor offers the most extensive range of desktop and rack-mounted RAID storage hardware, at the most competitive prices. Rocstor's product line features cutting-edge technologies that are tested rigorously and proven for solid reliability. By coupling new designs with state-of-the-art technology, Rocstor continues to be one of the major players in the world of digital security.

Rocsecure—a division of Rocstor—is the industry leader in secure encrypted digital data content storage. With their Rocbit and Rocsafe product lines, Rocsecure is able to offer secure real-time hardware data encryption AES 256-Bit and up to 192-Bit Triple DES encryption with multiple interfaces and cross-platform compatibility in both external and notebook-centered solutions.

For more information, visit www.rocsecure.com

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