



Lexar JumpDrive® SAFE S3000 FIPS

Features:

- FIPS 140-2 Level 3 validated
- Enhanced protection of information assets with hardware-based data encryption
- Smart card-based authentication for secure and authorized access
- Rapid deployment with no software or driver installation
- Meets military waterproof standards
- Lightning-fast transfer speeds
- Inter-operability between Windows® and Mac OS® X operating systems
- Assembled in USA

World's first smart card-based FIPS 140-2 Level 3 validated flash drive.

Your organization's critical data has never been more secure.

The Lexar® JumpDrive SAFE S3000 FIPS is an advanced USB flash drive with capacities up to 8GB. Certified by the National Institute of Standards and Technology, the Lexar JumpDrive SAFE S3000 FIPS features hardware encryption, waterproof metal housing, and a tamper-proof smart card to manage all security critical computations. Together, these features offer unsurpassed data protection without requiring driver or software installation to the host computer, making it the ideal solution for military, government, and enterprise organizations.

Security first and foremost

The Lexar JumpDrive SAFE S3000 FIPS keeps data secure today—and tomorrow. This device features the Advanced Encryption Standard (AES) 256-bit technology and utilizes an onboard hardware cryptographic controller to encrypt and decrypt data. The hardware-based encryption is performed on the fly with no negative impact to the drive performance. The controller also uses an isolated memory space within itself, which eliminates the risk of access by unauthorized processes external to the flash drive.

The Lexar JumpDrive SAFE S3000 FIPS utilizes a smart card—the standard in today's financial and mobile industries—to provide tamper-proof storage, isolation of all security-critical computations, and strong authentication through a stringent PKI-based challenge-response process. The smart card securely generates and stores the cryptographic key used to encrypt and decrypt data. Its mandatory password authentication process blocks access to the Lexar JumpDrive SAFE S3000 after a set number of password attempts is exceeded, which forms a key part of the defense against brute-force password guessing attacks.

Furthermore, the Lexar JumpDrive SAFE S3000 FIPS protects data from physical threats as well, as the outer casing is designed with composite metal for protection against damage. Next, internal components are sealed with a military-grade epoxy compound for protection against tampering and water damage, meeting the FIPS 140-2 Level 3 physical security standards and military waterproof standards (MIL-STD-810F).

Capacities:

- 2GB, 4GB, 8GB

Product specifications:

Read/Write performance:

- Up to 30MB/s Read** and 22MB/s Write*

Dimensions:

- 75mm x 25mm x 14mm

Weight:

- 48grams

Security standard:

- FIPS 140-2 Level 3 validated
- Waterproof MIL-STD-810F
- Gemalto .NET smart card

Data encryption:

- Onboard AES hardware encryption
- 256-bit encryption key
- Chain Block Cipher (CBC) mode

Power indicator:

- LED one color (blue)

Temperature range:

- Operating temperature: 0° to 60°C (32° F to 140° F)
- Storage temperature: -20°C to 85°C (-4° F to 185° F)

Vibration:

- 147 m/s² peak amplitude
- 10 to 2,000 Hz, 20 min. sweep, 12 cycles per axis, 36 cycles for 3 axes.

Shock:

- Acceleration = 490 m/s² (50G)
- Semi-sine wave, velocity change = 3.44 m/s (11.3ft/s)

System requirements:

- Microsoft® Windows® 2000 SP4 or higher
- Microsoft Windows XP SP2
- Microsoft Windows Vista®
- Microsoft Windows 2003, 2008 Server
- Mac OS® X 10.3.9 or higher (Intel-based Mac® computers only)

Standards and certifications:



Enterprise-level features that are simple to use

The Lexar JumpDrive SAFE S3000 FIPS features an intuitive interface, making it the ideal solution for users of all abilities. Users simply enter a password to unlock the secure memory partition and access protected files—once authenticated, the Lexar JumpDrive SAFE S3000 FIPS quickly and automatically encrypts/decrypts all files as they are saved to/read from the secure memory partition. These operations are performed without additional user interaction, making them simple and transparent.

The Lexar JumpDrive SAFE S3000 FIPS interoperates on multiple operating systems to effectively protect information across different platforms. The Lexar JumpDrive SAFE S3000 FIPS runs automatically when connected to a USB port on any Windows® operating system and is compatible with Mac OS® X 10.3.9 operating system and higher (Intel-based Mac® computers only). In addition Lexar JumpDrive SAFE S3000 FIPS works with many of the industry's leading end point security solutions.

Users can easily and safely extend their data availability with this truly portable storage solution without worrying about installation, setup and the associated privileges. IT administrations will benefit from a solution that requires no external drivers or software setup, meaning deployment is quick and efficient, ultimately saving organizations time and money.

Contact information

Visit www.lexar.com/enterprise for more information.

To contact a Lexar sales representative, e-mail enterprise@lexar.com

*Speeds based on internal testing. Actual performance may vary.

Actual usable memory capacity may vary. 1GB equals 1 billion bytes.

Security safeguards, by their nature, may possibly be circumvented. Lexar does not guarantee the product will be 100% resistant to all possible attacks.

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