



# SafeStick Product Paper

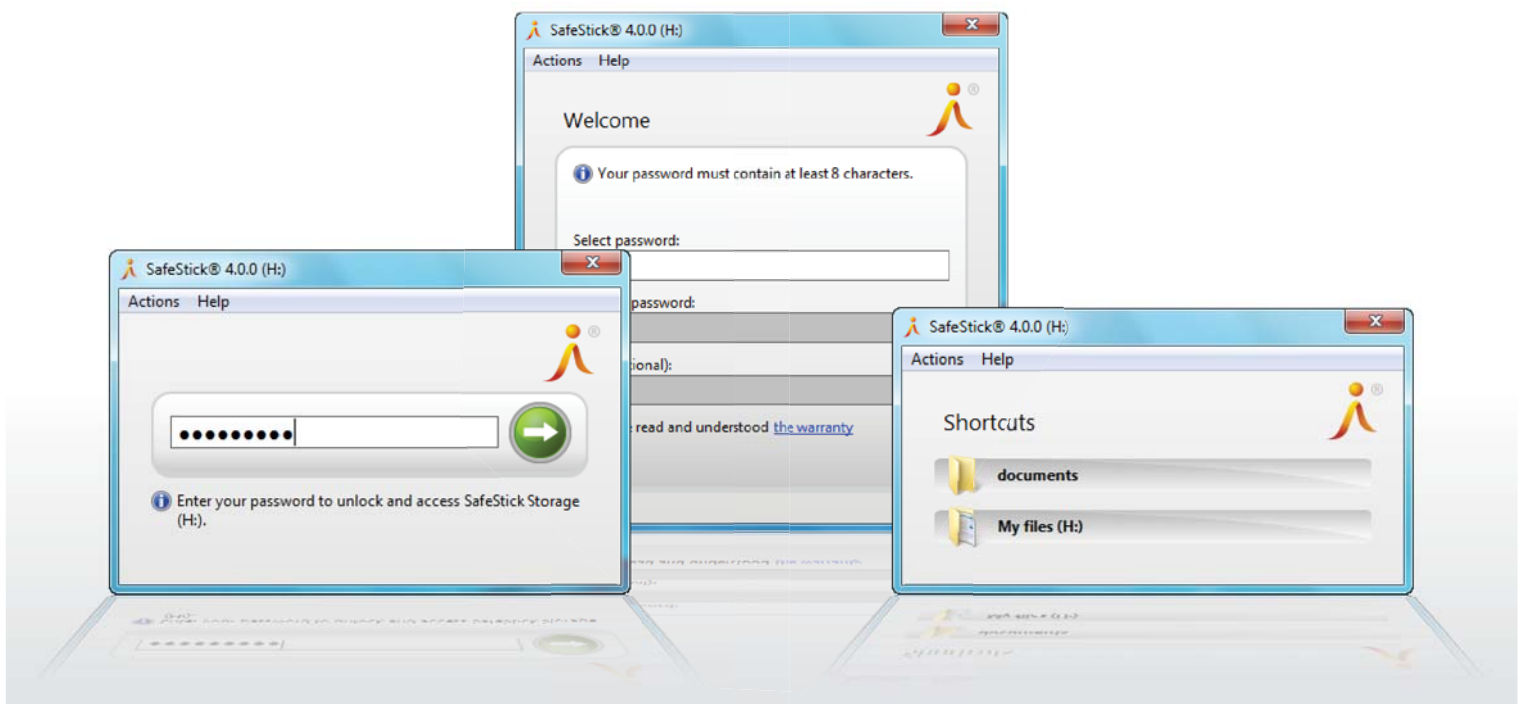
SafeStick Hardware-Encrypted and Fully Password-Protected USB Flash Drives Make It Easy to Be Secure. Optionally Managed with SafeConsole Central Management Software.

## A Small, Easy and Quick Way to Protect Your Portable Data

Combining military-grade encryption with plug-and-play simplicity, BlockMaster's SafeStick device is the smallest, fastest and most secure USB drive in the world. Password-protected and capable of securing up to 64GB of data, the SafeStick drive can help you eliminate risk and get your business-critical information locked, loaded and on the move in seconds.

### User-Friendly Setup

Because there's no software to install, getting SafeStick up and running couldn't be easier: Just plug it in and set your own strong password when prompted – and you're ready to go.





## SafeStick Features and Specifications



Straightforward, fast and self-initializing setup	X
Fast startup times when connected to computer	X
Transparent hardware encryption (AES256-bit in CBC-mode)	X
Encryption keys generated in controller on setup (ANSI 3.91, RNG)	X
Encryption keys inaccessible except for controller	X
User password never stored	X
Complex password policy	X
True brute-force hardware protection	X
SHA 256 hashing	X
RSA 512/1024/2048	X
<b>Optionally under full management control with SafeConsole</b>	<b>X</b>
Authentication with certificate X.509	X*
Authentication with onetime passwords (OTP)	X*
Integrated portable software	X*
Integrated portable antivirus	X*
Transparent and incremental backup on local network	X*
No drivers or software to install	X
No admin rights required (except for factory resets)	X
Authorized Autorun malware protection	X
FileBlocker Active Anti-malware	X*
Signed and authenticated firmware upgrades	X
Encrypted communication between computer and drive	X
Windows 7, Vista, XP, 2000 (SP4), 2008, 2003	X
Mac OS X 10.4, 10.5	basic**
Linux	requires Windows in VMware**
Tamperproof, fully epoxy-sealed board with single controller	X
Meets waterproof requirements (MIL-STD-810F)	X
Dustproof	X
Shockproof (vibration 15G peak to peak)	X
Operating temperature	70°C to -5 °C (158°F to 23°F) <sup>T</sup>
Storage temperature	85°C to -25°C (185°F to -13°F) <sup>T</sup>
USB 2.0 (1.1 comp.), CE, FCC, RoHS (WEEE), TAA	X
Manufacture according to ISO 9001:2000 and ISO 14001:2004	X
Wear leveling and ECC extends life-span	X
Data retention 10 years	X
Operating voltage 4.5V ~ 5.5V	X
9 grams ( 0.32oz.), 56 X 18 X 6 mm	X
Write speed estimate	12 Mbyte/s <sup>1</sup>
SuperSonic Edition write speed estimate	24 Mbyte/s <sup>1</sup>
Read speed estimate	20 Mbyte/s <sup>1</sup>
SuperSonic Edition read speed estimate	34 Mbyte/s <sup>1</sup>
Available storage capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB, 64GB (MLC)
SuperSonic Edition available storage capacities	4GB, 8GB (SLC)

\* Requires that drive be managed by SafeConsole

\*\* Full native operating system capability under development

<sup>1</sup> Varies by computer; speeds increase with higher storage capacity

<sup>T</sup> 85°C to -40°C (185°F to -40°F) operating temperature and 125°C to -50°C (257°F to -50°F) storage temperature available by special request



## Enjoy the Convenience of User-Friendly Hardware Encryption

### Solving the 'USB Problem' the Right Way

The phenomenon of lost USB flash drives causing data breaches has catapulted the "USB problem" to the top of IT department agendas around the world and across all industries. Some of the most important reasons to protect trade secrets, aggregated data or other sensitive records include ensuring shareholder value, maintaining or boosting public confidence, and increasing internal productivity. The only way to counter data breaches is with hardware-encrypted security. USB flash drive security must be implemented in the hardware in order to preserve the strength and benefits required to combat the evolving threat landscape and fulfill the needs of rightfully demanding, protective users.

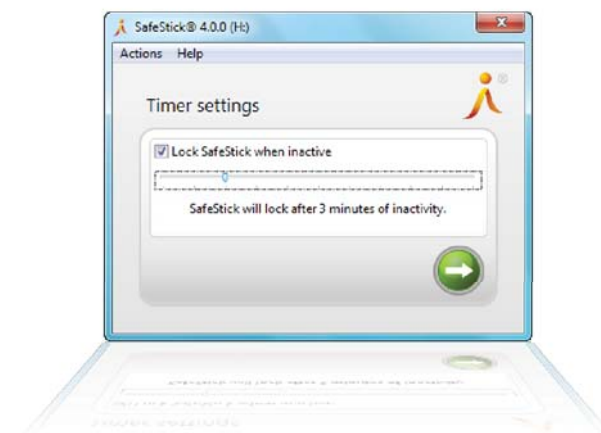
### Basic Operation

SafeStick devices are secure USB flash drives that instantly protect all stored data automatically with hardware encryption and a strong password. Users plug in SafeStick and set their own passwords. Each user's strong password is the only thing that can provide access to the data stored on his or her SafeStick. (Password management is available with SafeConsole.) By replacing your unsecure portable storage devices with SafeStick devices, you can start safeguarding your confidential data instantly.

### Benefits

Hardware-encrypted secure USB flash drives that can be centrally and granularly managed are the most cost-efficient way of handling USB flash drive security. Organizations that use SafeStick hardware-encrypted secure USB flash drives enjoy a multitude of features and benefits, including the following:

- Ability to secure portable data instantly with always-on automatic hardware encryption AES256-bit in CBC-mode, which is far safer than ECB block cipher mode
- Transparent encryption that won't disturb the user when handling files
- True brute-force protection with a built-in password attempt counter
- Epoxy-sealed, tamperproof SafeStick device controller that handles all security features, making it superior to and more reliable than multiple-chip solutions and software attempts
- Unlock in as little as one second after plugging it in
- Optimized configuration startup time; no other secure USB flash drive is as fast or simple to set up
- No need for drivers, installations or administrative privileges
- Authorized Autorun feature, which ensures that Conficker and Conficker-type mutants cannot infect devices
- User alert system tracks faulty unlock attempts, making the solution aware of social-engineered attacks
- Timer Lockdown that locks forgotten or misplaced devices





SafeStick®

Hardware Encrypted and Fully Password Protected USB Flash Drives

### SafeStick SuperSonic Edition

SafeStick SuperSonic is the ultra-fast edition of the proven SafeStick device technology. SuperSonic shares all the proven security features of the standard edition, but it is a technological breakthrough that takes USB transfer speed to the max. AES256 hardware encryption has never before pushed the limits like this. SafeStick SuperSonic enables the popular process of transferring rich media files, such as images and videos, onto USB flash drives for business use.



### Custom Product Marking

BlockMaster can engrave or print a multicolor mark on SafeStick devices in place of the standard SafeStick logo. Mark dimensions must be no larger than the side of the drive. Artwork must be supplied in a vector format: PDF, EPS or AI. BlockMaster can also engrave serial numbers onto the devices. Additional costs or minimum order quantities may apply.

## Experience the Convenient Security of SafeStick Managed by SafeConsole

### SafeConsole Enforces Policies and Enables Additional Productivity

With BlockMaster's supporting solution, SafeConsole, your entire portfolio of SafeStick devices can be centrally tracked and remotely managed, and your company's security policies can be enforced. Your mobile employees will be more productive and your company data always secure. For more information, read the SafeConsole Product Paper.



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### More Information



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