
AlertBoot Hard Disk Encryption Technology at a glance

The AlertBoot suite of data security software was created to provide a highly scalable and centrally managed data encryption solution for organizations of all shapes and sizes. AlertBoot provides ironclad encryption and protection for your most valuable data. AlertBoot Full Disk Encryption for PCs and laptops offers

- Pre-boot authentication and protection
- Full disk encryption of data on all connected hard disks
- Industry-standard and certified algorithms
- Complete management/deployment from AlertBoot's centralized management console
- Transparency to the end-user, with no performance degradation
- Active Directory and LDAP support so you don't have to recreate your user directory
- Secure hibernation and secure password-protected screensavers
- 24/7 secure password recovery mechanisms via AlertBoot Helpdesk

Powerful, proven full hard disk encryption

Powered by award-winning SafeBoot Mobile Data Security technology, AlertBoot leverages airtight access control and pre-boot authentication to prevent any unauthorized access to workstations, laptops, and hard drives.

AlertBoot's full disk encryption utilizes industry-standard and certified data encryption algorithms, such as RC5-1024 and AES-256, to provide sector-level encryption of a computer's entire hard drive or drives. AlertBoot full disk encryption begins in the pre-boot, which ensures that unauthorized users cannot bypass the boot to the operating system.

Furthermore, as a convenience to users who have too many passwords to remember, AlertBoot also offers a single-sign-on option that allows users to reuse their Windows passwords to authenticate in with one login screen.

Centralized management, transparent operation

AlertBoot's major advantage over the competition is AlertBoot Central — a centralized management console that includes highly customizable reporting. Because AlertBoot is a web-based managed service, everything is fully managed with AlertBoot Central — from updating users to upgrading security policies; from reporting on failed logins to compliance auditing of an organization's encrypted devices around the world.

Via AlertBoot's centralized management system, users create, modify, deploy, and upgrade security and encryption policies. Unlike install packages from other cryptography software, the AlertBoot package is roughly 90% smaller than the competition at approximately 3 – 5 MB in size. Furthermore, both the installation and the data encryption itself quickly and seamlessly run in the background. This allows for the deployment and installation of the package with no performance degradation on the part of the machine or the user.

Once installed, AlertBoot full disk encryption is completely transparent to the end user. Files and folders are decrypted and re-encrypted on the fly, behind the scenes, with virtually no performance loss. Added capabilities include secure hibernation; secure password-protected screensavers; the ability to block hardware and ports on a machine; and the option to whitelist or blacklist software applications on a device. All are included in the AlertBoot package.