kingston.com/encryptedsecurity

Kingston / Ironkey Encrypted USB
Advantage Over BitLocker

MICROSOFT'S BITLOCKER	KINGSTON / IRONKEY ENCRYPTED USB
Feature	**Kingston Advantage**
1. Limited compatibility between OS: - ONLY available in the Enterprise & Ultimate editions of Windows 7 | Pro & Enterprise editions of Windows 8.1 | Windows 10 - Does not support Mac OS **2. Issues with OS patches / system updates** - Buggy updates - delays between fixes **3. Vulnerable to "ROCA"** - Cryptographic flaws in BitLocker - 'Worse Than KRACK' - Google and Microsoft Hit by Massive 5-Year-Old Encryption Hole	**1. Better compatibility between OS:** - Windows® 10 | Windows 8.1 | Windows 8 | Windows 7 (SP1) | Mac OS X v. 10.10.x - 10.13.x | Linux Kernel v. 2.6. **2. Not affected by "ROCA" attacks**
1. Software-based encryption - Runs on host computer **2. Easier vulnerability attacks** - Open to keylogging, sniffing, memory/hash attacks	**1. Hardware-based encryption** - Fully self-contained protection **2. No software vulnerability attacks** - Eliminates sniffing and memory hash attacks **3. Digitally-signed firmware** - Cannot be altered **4. Physical layer of protection** - Epoxy dipped/filled cases prevent access to physical memory
1. Susceptible to brute force attacks	**1. 10-attempt brute force protection** - Wipes the drive clean or disables it **2. Prevent anyone from getting your sensitive data if USB drive is lost or stolen**
1. MIS/IT administrator-intensive	**1. Minimal MIS efforts - Easy to deploy**
1. Uses older technology standards for USB - 256-bit AES, CBC (previous standard) - FIPS-compliant (not certified) ***Note:*** *Drives encrypted with XTS-AES will not be accessible on older versions of Windows.* ***Removable drives should continue to use AES-CBC 128-bit or AES-CBC 256-bit algorithms.***	**1. Kingston uses latest technology standards** - 256-bit AES, XTS (highest standard) - FIPS 197 and 140-2 Level 3 "Certified" - EU GDPR compliant - NYDFS - 23 NYCRR 500 compliant - TAA compliant

Overall, Kingston / IronKey Encrypted USB Drives prove to be the best solution in reliability, compatibility and security for portable data protection solutions. They are 100% compliant with regulations and standards | Works with endpoint security for DLP needs | No software/drivers needed | Designed for quick and efficient deployment.

MKF - 818 EN