diskG

"With real-time AES hardware encryption, software free design and CESG CCTM accredited. Secure, compact and affordable portable hard drive."

iStorage
Secure USB 2.0 Portable Drive

OS *independent*

The iStorage diskG is the world's most secure, compact and affordable USB 2.0 portable hard drive ,employing PIN code access with 128-bit or 256-bit AES hardware encryption. The iStorage diskG can only be accessed using a 6-16 digit similar to using an ATM. The iStorage diskG utilises military grade AES 128-bit or 256-bit hardware encryption, which encrypts ALL data stored on the drive in Real Time, making it as fast and in many cases faster than any non-encrypted USB 2.0 hard drive.

Should the iStorage diskG be lost or stolen, the user can rest assured that all data held on the drive is safe and cannot be accessed by any unauthorised third party, even if the hard drive is removed from its enclosure.

Military Grade CESG CCTM Accreditation: The encryption chipset incorporated within the iStorage diskG encrypts all data using AES 128-bit or 256-bit hardware encryption. The iStorage diskG is the only USB hard drive to be awarded the CESG CCTM government accreditation. The encryption chipset is NIST (National Institute of Standards and Technology) accredited.

The recommended standard for symmetric encryption is AES (Advanced Encryption Standard). The Committee of National Security Systems (CNSS) rates the AES algorithm as acceptable for encrypting top secret data on their AES policy factsheet, stating, "The design and strength of all key lengths of the AES algorithm (i.e. 128, 192 and 256) are sufficient to protect classified information up to SECRET level. TOP secret information will require use of either the 192 or 256 key lengths."

Brute Force Self Destruct Feature: The iStorage diskG uses a three pronged approach to protect against a Brute Force attack. The first step is to deny access to the drive until the drive can verify the user PIN. This feature blocks automated attempts to enter PIN numbers. Lastly, after a predetermined number of failed PIN entries, the diskG assumes it is being attacked and will destroy the encryption key and lock itself, rendering the data useless and requiring a total reset to redeploy the diskG.

Variable Timing Circuit Technology: Protection against hacker attempts doesn't stop with Brute Force. Incorporated into the iStorage diskG's electronics is iStorage's Variable Time Circuit (VTC) technology, working to thwart "timing attacks" aimed at accessing the drive by studying the behaviour and infiltrating the diskG's electronics.

Drive Reset Feature: The diskG also employs a useful drive reset feature which can be implemented with a unique command. This clears all PINs and data, and creates a new randomly generated encryption key, enabling the drive to be reset and redeployed as many times as needed.

Wear Resistant Key Pad: Designed with protection in mind, the entire iStorage diskG family incorporates 'wear resistant' keypads to hide key usage avoid tipping off a potential hacker to the commonly used keys.

Compact, Rugged Design: Perfect for taking your data on the road, the diskG's low powered design is perfect for using with notebooks and taking your data on the road. Perfectly pocketable, the diskG's compact, robust design features a 16-point omni-directional shock mounting systems and rubberised paint, protecting the drive from drops and knocks. The diskG has a convenient integrated USB 2.0 cable elimaniating the need to carry around cables.

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Features at a glance:

- Military Grade CESG CCTM accredited
- PIN activated 6-16 digits - Alphanumeric keypad use a memorable number or word for your PIN
- Hardware Encrypted Drive - Real-time 128-bit or 256-bit AES encryption seamlessly encrypts all data on the drive, protecting the drive even if it is removed from it's casing
- Integrated USB 2.0 cable - no mains power or additional cables to carry around
- Administrator Password Feature - Ideal for IT departments looking to secure their mobile users, by allowing setup of administrator access to the drive before being distributed to their user(s)
- Brute Force Self Destruct Feature
- Auto Lock Feature
- Drive Reset Feature
- Variable Time Circuit Technology
- OS and Platform Independent – Compatible with Windows, Mac, Linux and embedded systems
- No software or drivers required
- Wear Resistant Key Pad
- Brute Force Hack Defence Mechanism
- Customisation service available – Contact iStorage for further information
- 1-Year warranty

Why choose diskG

Did you know that millions of external data storage devices are lost or stolen every year and this figure is rising. Have you ever considered the impact of losing your non-encrypted USB hard drive? Your data would be at the mercy of anyone who stumbles across it.

The Information Commissioner's Office (ICO) now has the power to fine businesses and government bodies up to £500,000 for serious breaches of the Data Protection Act. This includes the loss of an unencrypted USB hard drive that contains client data. The ICO has been very clear in advising businesses and government bodies to encrypt all data that workers access, they also recognise that data which is encrypted and lost or stolen is not vulnerable to compromise.

Loss of confidential data can have a devastating effect on both businesses and consumers. It could lead to a hefty fine, the downfall of a business, embarrassment, job losses and adverse media attention. The iStorage diskG can protect you against all of this.

Technical Specifications	
Capacity	250GB, 320GB, 500GB, 640GB, 750GB,1TB
Interface	USB 2.0 - Up to 480 Mbps
Power Supply	100% Bus Powered
Dimensions	19 mm x 84.5 mm x 120 mm
Buffer size	8MB
Approvals	CESG CCTM FCC CE, RoHS, WEEE
RPM	5400
Hardware	USB 2.0
Operating System compatibility	Windows, MAC OS, Linux
Hardware Data Encryption	AES XTS
Encryption Keys	128-bit or 256-bit AES
iStorage Part Numbers	IS-DG-128-XXXX | IS-DG-256-XXXX
XXXX = drive size in GB's or TB's

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