



diskGenie

HARDWARE ENCRYPTED PORTABLE DRIVE

- Real-time 128 or 256 bit AES Hardware Encryption - encrypts all data on the fly
- Keypad access with 6-16 digit user defined PIN code
- No software required to install or use - simply plug and play
- Integrated USB2 cable - no mains power or additional cables to carry around
- Brute Force Hack Defence Mechanism
- Robust and compact design - incorporates shock mounting to protect from knocks and drops
- Supplied with padded travel pouch
- Administration feature - set 1 Admin PIN and upto 10 User PIN codes
- Compatible with PCs, MACs and Linux
- All diskGenie models are CESG CCTM accredited
- Encryption chip is NIST accredited



*The image represents the actual size of the product*

**"The world's most secure, compact and affordable portable hard drive and solid state drive (SSD)."**

## What is the diskGenie?

The diskGenie is the world's most secure, compact and affordable USB2 portable hard drive and solid state drive (SSD), employing PIN code access with AES 128 or 256 bit hardware encryption. The diskGenie can only be accessed using a 6-16 digit PIN code similar to using an ATM.

The diskGenie utilises military grade AES 128 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 USB2 hard drive.

Should the diskGenie 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.

## Why choose diskGenie?

Did you know that tens of millions of external storage devices are lost every year and this figure is rising? Have you ever considered the impact of losing your non-encrypted portable hard drive or USB flash memory key? Your data would be at the mercy of anyone who stumbles across it. Your personal videos may appear on You Tube, your business data sent to a competitor, your personal and financial information used for illegal or fraudulent purposes.

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.

Loss of confidential data can have devastating effects on both businesses and consumers.

## How does it work?

Step 1 - Plug integrated USB2 cable in to any PC, MAC or Linux system

Step 2 - Enter your personal 6-16 digit PIN code on the alphanumeric keypad

Step 3 - You are up and running

Data can be copied to the diskGenie using any off the shelf backup software, or simply drag and drop files, directories etc using Windows Explorer.

## Military strength Hardware encryption

The encryption chipset incorporated within the diskGenie encrypts all data using AES 128 or 256 bit hardware encryption. The diskGenie 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 the SECRET level. TOP Secret information will require use of either the 192 or 256 key lengths."

## What is the difference between software and hardware encryption?

### With software encryption:

Complex passwords can be cracked easily and quickly with a Brute Force Attack

Simple password cracking software is readily available on the internet, often free of charge

Software encryption is vulnerable to key loggers - where every key pressed is logged in either a software or hardware key logger

Software encryption can be corrupted by viruses

Software encryption is much slower when compared to hardware encryption

Software encryption needs to be installed on each computer that the external storage device is used on

### With hardware encryption:

The diskGenie cannot be Brute Force attacked

The diskGenie is not vulnerable to key loggers as the PIN code is entered on the unit rather than a keyboard

The diskGenie is not vulnerable to malware or viruses

## diskGenie awarded the CCTM certificate

The CESG Claims Tested Mark (CCTM) scheme provides a government quality mark for the public and private sectors based on accredited independent testing, designed to prove the validity of security functionality claims made by vendors. In more colloquial terms, the CCTM is designed to assure public bodies that a product or service does 'what it says on the box'.



### TIMESONLINE ★★★★★

Gadget of the week: iStorage diskGenie & 5/5 stars  
Prevent online theft with a secure external hard drive

Verdict: "This is a beautifully executed solution to the problem of keeping your backup data as secure as the data on your pc." "...this disk could not only save your bacon but keep it locked away from prying eyes too."



Rating 9/10  
- awarded "Editor's Choice"

"A secure, simple and intelligent storage solution..."  
"government departments take note; this is how you look after our personal data."



it's slim and will fit neatly

in the palm of your hand or the pocket of a laptop bag..... all in all it's a very handy drive for those who prize their security and privacy."

### The Red Devil

A blog about technology, Linux and stuff...

"The diskGenie is a small

but lovely piece of kit, shrouded in a very tactile, matt black casing....but what really sets it apart from the mass of portable, external HDDs is the fact that the diskGenie works just as well with Windows Mac & Linux computers "

### Practical PC Online

Rating 9/10

"...the iStorage diskGenie is to be recommended to all who require a safe haven for their precious data files." "Let's hope that the government departments in particular, with a proclivity for losing our data, find an interest."



Rating 4/5

"The iStorage diskGenie is an excellent product for users who are concerned or cautious about data security. It's encryption method is rock solid and will surely mean data cannot be accessed by dubious thieves."

### PCADVISOR

Rating: 4/5

"this is about as secure as it gets. Data into and out of the drive is encrypted on-the-fly, and only the correct pin code will first open the drive for business."

Easy to use keypad	Unlock the drive with your unique 6 -16 digit PIN
Real-time 128 or 256-bit AES Hardware Encryption	Encrypts 100% of your data in real-time and keeps your data safe even if the hard drive is removed from the enclosure
No software installation	No software required to setup or operate - making it perfect for corporate deployment
Administrator feature	Allows enrolment of up to ten unique user ID's and one administrator, making it a useful business collaboration tool
100% of data on drive encrypted	All data on the drive is encrypted in real-time - no speed degradation - data not accessible even if drive is removed
Integrated cable	Integrated USB 2.0 cable
Low powered design	Bus powered from standard USB port
Extensive Shock Mounting	Protects the drive with a 16-point omni-directional shock mounting system
Secure storage	Excellent for notebook owners, road warriors, government, health care, insurance companies, financial institutions, HR departments and executives with sensitive data
Box Contents	iStorage diskGenie Drive with integrated cable, Quick Start Guide, Auxilliary power cable & neoprene travel pouch

## diskGenie Hard Drive Version

Data Transfer Rates	USB 2.0 - Up to 480 Mbps
Power Supply	100% bus powered
Capacities available	250GB, 320GB, 500GB, 640GB, 750GB and rising
Interface	Hi-Speed USB 2.0
Buffer Size	8MB
RPM	5400
Average seek time	12ms
Shock - non operating	1000G 1ms
Shock - operating	300G 2ms
Dimensions & weight	19mm X 84.5mm X 120mm (0.75" X 3.3" X 4.7") weight: 6.2 oz.
Warranty	3 years limited
Approvals	CESG CCTM, FCC, CE, RoHS, WEEE
System Requirements	Hardware: PC compatible computer with Pentium® CPU or similar, 32MB of RAM, CD-ROM or CD-RW, USB 1.2 or 2.0, Apple®G3 or later Operating systems: Microsoft® XP, 2000, Vista™ or Windows 7 (32 or 64 bit versions), Mac®OS 10.2 or greater, Linux
Ordering information	iStorage Part Number: IS-DG-128-xxx & IS-DG-256-xxx [xxx=drive size in GBs]

## diskGenie Solid State Drive [SSD] Version

Data Transfer Rates	USB 2.0 - Up to 480 Mbps
Power Supply	100% bus powered
Capacities available	30GB, 64GB, 128GB, 256GB and rising
Interface	Hi-Speed USB 2.0
Silent	Runs silent and is kept cool with no moving mechanical parts
Reliable	Less likely to fail than a standard hard drive
Shock resistant	No moving parts so the SSD handles rougher conditions than a hard drive
Vibration (non operating)	20 G Peak (10-2000 Hz)
Vibration (operating)	2.17 G Peak (7-800 Hz)
Storage temperatures	40°C to 85°C
Operating temperatures	0°C to 70°C
Life expectancy	1 million hours MTBF 64 GB, 128GB & 256GB -- 500,000 hours MTBF 30GB
Dimensions & weight	19mm X 84.5mm X 120mm (0.75" X 3.3" X 4.7") weight: 6.2 oz.
Warranty	3 years limited
Approvals	CESG, CCTM, FCC, CE, RoHS, WEEE
System Requirements	Hardware: PC compatible computer with Pentium® CPU or similar, 32MB of RAM, CD-ROM or CD-RW, USB 1.2 or 2.0, Apple®G3 or later Operating systems: Microsoft® XP, 2000, Vista™ or Windows 7 (32 or 64 bit versions), Mac®OS 10.2 or greater, Linux
Ordering information	iStorage Part Number: IS-DG-128-SSD-xxx & IS-DG-256-SSD-xxx [xxx=drive size in GBs]

\* One gigabyte (GB) = one billion bytes; accessible capacity will be less than actual capacity depends on the operating environment and formatting