diskAshur® SSD

SOLID STATE DRIVE

"With real-time AES hardware encryption, software free design and a super speed USB 3.0 connection, you can secure your data faster than ever before."

OS *independent*

iStorage Secure USB 3.0 Solid State Drive

Why choose diskAshur SSD?

Based around a super resilient Solid State Drive and with no software to install, easy setup and Real-Time 256-bit AES Hardware Encryption, the iStorage diskAshur SSD is the toughest and most secure data storage solution on the market.

Do you only access your data when you're at home or at the office? We know that not all job assignments or business travel takes place in ideal environments. The cold, the heat as well as humid conditions are common work environments for many. Knocks, drops, bumps and vibration are also a concern, as are sandy and dusty environments.

It's in these cases that the robustness of a Solid State Portable Drive is paramount. A drive cannot fail and data cannot afford to be lost. Your drive must not only be rugged but also secure and this is where the iStorage diskAshur Solid State Drive is unparalleled.

Military Grade FIPS PUB 197 Validated Encryption: Using 256-bit AES-XTS hardware encryption, the iStorage diskAshur SSD seamlessly encrypts all data on the drive in real-time, keeping your data safe even if the hard drive is removed from its enclosure.

Software Free Design: With no software installation required for setup or operation and the ability to run on any platform, the iStorage diskAshur SSD provides stress free deployment in corporate environments. Its Administrator Feature allows enrollment of up to five unique user ID's and one administrator, making it a useful business collaboration tool.

Super fast USB 3.0 Connection: Data transfer speeds up to 10X faster than USB 2.0: With a super speed USB 3.0 interface, you can now access your files faster than ever before. The diskAshur SSD is also backwards compatible with USB 2.0 and 1.1 ports.

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Brute Force Self Destruct Feature: The iStorage diskAshur SSD 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. After six incorrect attempts the drive will lock itself, requiring the drive to be plugged in again to input a PIN. This feature blocks automated attempts to enter PIN numbers. Lastly, after a predetermined number of failed PIN entries, the diskAshur SSD 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 diskAshur SSD.

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

Drive Reset Feature: The diskAshur SSD 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.

Auto-lock Feature: The unattended diskAshur SSD can be configured to lock after a pre-determined amount of time of your choosing. Ideal for protecting your data when you're away from your desk.

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

Data at Rest Protection: All data, PINs, and encryption keys are always encrypted while at rest.

Compact, Rugged Design: Perfect for taking your data on the road, the diskAshur SSD's low powered design is perfect for using with notebooks and taking your data on the road. Perfectly pocketable, the diskAshur SSD's compact, robust design features a 16-point omni-directional shock mounting system and rubberised paint, protecting the drive from drops and knocks. The convenient integrated USB 3.0 cable eliminates the need to carry around cords with you and allows you to be connected at the flick of a fingertip.

iStorage

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Why choose diskAshur SSD?

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 diskAshur SSD can protect you against all of this.

Features at a glance:

- ✔ SUPER RESILIENT AND ROBUST portable encrypted Solid State Drive
- ✔ Real-time 256-bit AES Hardware Encryption
- ✔ INTEGRATED USB CABLE
- ✔ ADMINISTRATOR FEATURE - set 1 Admin PIN and up to 5 user PIN passkeys
- ✔ PLATFORM INDEPENDENT - Windows, Mac & Linux compatible
- ✔ The encryption algorithm used in the diskAshur SSD encryption chip is NIST CERTIFIED

- ✔ SECURE PIN ACCESS via alphanumeric keypad (6-16 digits)
- ✔ BRUTE FORCE HACK DEFENCE MECHANISM
- ✔ BUS POWERED
- ✔ SOFTWARE FREE DESIGN - just plug and use also NO Admin Rights required
- ✔ Available in capacities of up to 256GB AND RISING
- ✔ 3 YEAR WARRANTY

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FCC CE RoHS

Technical Specifications

Data Transfer Rates:	USB 3.0
Power Supply:	100% bus powered
Interface:	Hi-Speed USB 3.0
Silent:	Runs silent and 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 64GB, 128GB and 256GB
Dimensions & weight:	19mm x 84.5mm x 120mm (0.75" x 3.3" x 4.7") weight 6.2 oz.
Warranty:	3 years parts and labour
Approvals:	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, Vista or Windows 7, Mac OS 10.2 or greater, Linux
Ordering Information:	iStorage Part Number IS-DG3-256-SSD-XXX