diskAshur DT™

"The world's first PIN operated portable hard drive with built-in hardware encryption and capacities of up to 3TB"

Looking for a fast and effortless way to secure your data? The iStorage diskAshur DT is the ultimate desktop hard drive and secure storage system. Sporting a super fast USB 3.0 interface, you can access your data faster than ever before. With an easy-to-use keypad design and software free setup, the iStorage diskAshur DT enables you to access the drive with your own unique pin.

Military Grade FIPS PUB 197 Validated Encryption: Using AES-256-bit hardware encryption, the iStorage diskAshur 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 DT 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 iStorage diskAshur DT is also backwards compatible with USB 2.0 and 1.1 ports.

Brute Force Self Destruct Feature: The iStorage diskAshur 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 several 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 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.

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

Sealed from Physical Attacks by Tough Epoxy Coating: In addition to encrypting all of the PINs, data and the encryption key itself, the iStorage diskAshur DT adds another barrier between a between your data and a hacker. The encryption chip and circuitry of the iStorage diskAshur DT are completely protected by a super tough epoxy compound, which is virtually impossible to remove without causing permanent damage to the electronics. This barrier prevents a potential hacker from accessing the encryption circuitry and launching a variety of potential attacks.

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.

Auto Lock feature: Set the unattended drive to lock after a pre-determined amount of time.

High quality aluminum, heat dissipating enclosure

iStorage

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Features at a glance:

- Military Grade FIPS PUB 197 Validated Encryption
- PIN activated 6-16 digits - Alphanumeric keypad use a memorable number or word for your PIN
- Hardware Encrypted Drive - Real-time 256-bit AES encryption seamlessly encrypts all data on the drive, protecting the drive even if it is removed from it's casing
- Super Speed USB 3.0 Connection
- 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)
- Sealed from Physical Attacks by Tough Epoxy Coating
- Brute Force Self Destruct Feature
- Auto Lock 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
- 3-Year warranty

Why choose diskAshur?

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 can protect you against all of this.

Technical Specifications	
Capacity	1TB, 2TB and 3TB
Interface	USB 3.0 - Up to 5Gbps
Power Supply	12V AC Adapter
Dimensions	114.3 mm x 182.88 mm x 38.1 mm
Buffer size	8MB
Approvals	FC CE, RoHS
RPM	7200
Hardware	USB 3.0 super speed compatible Also compatible with USB 2.0 and 1.1
Operating System compatibility	Windows, MAC OS, Linux
Hardware Data Encryption	AES XTS
Encryption Keys	256-bit Hardware
iStorage Part Numbers	ISA-DA-256-XXXX (X = Capacity)

Works with

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FC CE RoHS

PRELIMINARY SPECIFICATION SHEET

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