

# diskAshur<sup>®</sup> SSD

## Secure USB 3.0 Solid State Drive

With real-time AES-XTS 256-bit hardware encryption, solid state performance and a super speed USB 3.0 connection, the perfect blend of security, durability and speed.

**Super fast USB 3.0 Encrypted Solid State Drive fuses hardware data protection with secure PIN access in a robust design.**

The iStorage diskAshur SSD<sup>®</sup> secures data with real-time AES-XTS 256-bit hardware encryption. With no moving parts, the diskAshur SSD is drop and vibration resistant, unaffected by high humidity and works in extreme temperatures. Impervious to key logging attacks, you access the diskAshur SSD via the onboard keypad. Combine this with a USB 3.0 integrated cable and Solid State performance and you have one powerful drive.

With software free setup and operation, the diskAshur SSD becomes platform independent and works across all operating systems including thin clients and embedded systems such as medical equipment. The diskAshur SSD enables you to access the drive by simply entering your own unique 6 -16 digit PIN and with super-fast USB 3.0 you can now access your data faster and more securely than ever before!



Compatible with:



### Main Features

- ✓ FIPS PUB 197 Validated Encryption Algorithm
- ✓ Ultra Rugged Solid State Drive
- ✓ Real-time military grade AES-XTS 256-bit hardware encryption
- ✓ No software or drivers required
- ✓ 100% hardware encryption
- ✓ OS & Platform Independent - compatible with Windows, Mac, Linux, Android, Thin Clients & Embedded Systems
- ✓ Brute Force Hack Defence Mechanism
- ✓ Self Destruct Feature
- ✓ Data at Rest Protection
- ✓ PINs and encryption keys are always encrypted while at rest
- ✓ Supports Admin PIN and User PINs 6-16 digits in length
- ✓ Super Speed USB 3.0 with integrated cable
- ✓ Variable Time Circuit Technology
- ✓ Wear Resistant Key Pad
- ✓ Bus Powered
- ✓ Auto Lock Feature
- ✓ Drive Reset Feature
- ✓ No admin rights needed
- ✓ Capacities of 64, 128, 256, 512, 750GB & 1TB
- ✓ 3 Year Warranty

### Why use a Solid State Drive?



- ⊕ 5x greater life expectancy than premium rotational drives
- ⊕ Works in extreme temperatures
- ⊕ Operating temperatures of up to 5°F to 130°F (-15°C to 55°C)
- ⊕ Unaffected by high humidity
- ⊕ Works in 95% humidity at temperatures under 131°F (55°C)
- ⊕ Virtually shock and vibration resistant
- ⊕ Rated to: Shock 1500G/0.5ms, vibration 20G/20-2000Hz
- ⊕ With no moving parts, the SSDs are completely silent

### Request your FREE 30 day evaluation



iStorage products are used extensively by Government Departments, Defence Departments, educational institutions, local/central government, energy/utility companies, financial institutes as well as countless leading multi-national organisations.

To find out why such companies trust iStorage with their valuable and sensitive data, request a no-obligation product evaluation from iStorage.

**Please email [evaluation@istorage-uk.com](mailto:evaluation@istorage-uk.com) or call +44 (0) 20 8991 6260 for your free 30 day evaluation.**

Technical Specifications	
Capacity	64GB, 128GB, 256GB, 512GB, 750GB & 1TB
Shock-Operating	1500G/0.5ms - Virtually shock and vibration resistant
Power Supply	Bus Powered
Dimensions (W, D, H)	120 mm x 84.5 mm x 19 mm
Weight	max. 200 grams approx.
Approvals	FIPS PUB 197 Validated, FCC CE, ROHS, WEEE
Interface	USB 3.0 - Up to 5Gbps
Hardware	USB 3.0 - Backward compatible with USB 2.0/1.1
Operating System Compatibility	Windows, Mac, Linux, Thin Clients, Android & Embedded Systems
Hardware Data Encryption	AES-XTS 256-bit
Warranty	3 Years
iStorage Part Number	IS-DG3-256-SSD-xxxx (x = Capacity)
Box Contents	Drive, Travel Pouch & QSG (Quick Start Guide)



### 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. New and enhanced legislation is a global issue that demands strong protection of specific data categories. Nowadays, most international data protection acts demand adequate protection of personally identifiable information (PII). Government bodies the world over are very clear in advising businesses and institutional organisations to encrypt all data that workers access, 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.

### Brute Force Hack Defence Mechanism:

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 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 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.

### Self Destruct Feature:

You can pre-program the diskAshur SSD with your own unique Self Destruct PIN which, once implemented, instantly destroys all PINs, data and creates a new encryption key.

### Variable Timing Circuit Technology:

Protection against hacker attempts doesn't stop with Brute Force. Incorporated into the diskAshur SSD 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 diskAshur SSD'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 diskAshur SSD adds another barrier between your data and a hacker. The encryption chip and circuitry of the diskAshur SSD 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 crypto module and launching a variety of potential attacks.

### Wear Resistant Keypad:

Designed with protection in mind, the diskAshur SSD's wear resistant keypad hides key usage to avoid tipping off a potential hacker to commonly used keys.

## The iStorage Product Range - Innovative data security solutions

