diskAshur ® SSD

Secure USB 3.0 Solid State Drive

With software free design, secure PIN access, real-time 256-bit AES-XTS encryption and super speed USB 3.0 connection, the ultimate in durability, security 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 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.

COMPATIBLE WITH

Main Features

- Military Grade FIPS PUB 197 Validated Encryption
- Ultra Resilient Solid State Drive
- Real-time 256-bit AES-XTS 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 Protection
- Data at Rest Protection
- PINs and encryption keys are always encrypted while at rest
- Supports Admin PIN and User PIN 6-16 digits in length
- Super Speed USB 3.0
- Variable Time Circuit Technology
- Wear Resistant Key Pad
- Auto Lock Feature
- No admin rights needed
- Capacities of 64GB, 128GB, 240GB, 256GB, 512GB, 750GB & 1TB
- 3 Year Warranty

Why use a Solid State Drive?

- 5X greater life expectancy than premium rotational drives
- Works in extreme temperatures
- Freezing temperatures of 40°F below 0
- Searing temperatures of up to 158°F (70C)
- 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 diskAshur Pro SSD is completely silent

Request your FREE 30 day evaluation

iStorage products are used extensively by the National Health Service, 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 or call 020 8991 6260 for your free 30 day evaluation.

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 several 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.   Incorporated into the iStorage diskAshur SSD 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.

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 SSD adds another barrier between your data and a hacker. The encryption chip and circuitry of the iStorage 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 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.

Auto Lock feature:

Set the unattended drive to lock after a pre-determined amount of time.

Technical Specifications	
Capacity	64GB, 128GB, 240GB, 256GB, 512GB, 750GB & 1TB
Interface	USB 3.0
Power Supply	Bus Powered
Dimensions	19 mm x 84.5 mm x 120 mm
Buffer Size	8MB
Approvals	FC CE, ROHS, FIPS PUB 197 Validated Encryption
RPM	5400
Hardware	Super speed USB 3.0 - also backward compatible with USB 2.0 and USB 1.1
Operating System compatibility	Windows, Mac, Linux, Citrix, Android & Embedded Systems
Hardware Data Encryption	256-bit AES-XTS
Warranty	3 Years
iStorage Part Number	IS-DG3-256-SSD-XXXX

The iStorage Product Range - Innovative data security solutions

iStorage diskAshur SSD is developed and manufactured by iStorage Limited and is based on DataLock® technology licensed from ClevX, LLC.

OS AND HOST INDEPENDENT