# diskAshur DT²®

**The world's first and only PIN authenticated, hardware encrypted HDD with a capacity of 30TB incorporating a Common Criteria EAL5+ (Hardware Certified) secure microprocessor and to be certified to NCSC CPA, FIPS 140-2 Level 3, NLNCSA BSPA & NATO Restricted**

Commercial Product Assurance (CPA)

FIPS 140-2

General Intelligence and Security Service
*Ministry of the Interior and Kingdom Relations*

Baseline Security Product Assessment (BSPA)

NATO Restricted Level

The diskAshur DT² USB 3.2 HDD is an ultra-secure, PIN authenticated, hardware encrypted portable hard drive. Using the device couldn't be easier, simply connect to any computer and enter a 7-15-digit PIN. If the correct PIN is entered, all data stored on the drive will be decrypted and accessible. To lock the drive, simply eject it from the host computer and all data stored on the device will be encrypted (full disk encryption) using military grade AES-XTS 256-bit hardware encryption.

The diskAshur DT² incorporates an on-board Common Criteria EAL5+ (Hardware Certified) secure microprocessor, which employs built-in physical protection mechanisms designed to defend against external tamper, bypass attacks and more. The device reacts to an automated attack by entering the deadlock frozen state.

**In plain and simple terms, without the PIN there's no way in!**

## MAIN FEATURES

### OS & platform independent

100% hardware encryption, platform/device independent - works with all operating systems.

Compatible with:
MS Windows, macOS, Linux, Android, Chrome, Thin Clients, Zero Clients, Embedded Systems, Citrix and VMware

### Government accreditations

The diskAshur DT² has been certified to the following government accreditations:

- NCSC CPA (UK)
- FIPS 140-2 Level 2* / Level 3** (USA)
- NLNCSA BSPA (NL)
- NATO Restricted Level

### Self-destruct feature

You can pre-program the drive with your own unique self-destruct PIN which, once implemented, instantly deletes the encryption key, all PINs, data and then creates a new encryption key.

### Wear resistant epoxy coated keypad

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

### No speed degradation

As fast as any non-encrypted drive.

### Auto lock

The diskAshur DT² automatically locks when unplugged from the host computer or power to the USB port is turned off and can also be set to automatically lock after a predetermined amount of time.

### Tamper proof design

All of the components of the drive are completely covered by a layer of super tough epoxy resin, which is virtually impossible to remove without causing permanent damage to the components. This barrier prevents a potential hacker from accessing the critical components and launching a variety of futile attacks.

### Brute force hack defence mechanism

After 15 consecutive incorrect PIN entries, the drive assumes it is being attacked and will delete the encryption key and lock itself, rendering all data previously stored on the drive as lost forever. At this point the drive can be reset to factory default settings and redeployed.

Designed, developed and assembled in the UK.

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## Features

- Real-time military grade AES-XTS 256-bit full disk hardware encryption
- Common Criteria EAL5+ (Hardware Certified) secure microprocessor
- FIPS PUB 197 validated encryption algorithm
- **NCSC CPA certified (UK)**
- **FIPS 140-2 Level 2* / Level 3** certified (USA)**
- **NLNCSA BSPA certified (NL)**
- **NATO Restricted Level certified**
- PIN authenticated - supports independent user and admin PINs (7-15 digits in length)
- No software required - 100% hardware encryption
- OS & platform independent
- Works on any device with a USB port
- Read-only (write protect) & read/write
- Brute force hack defence mechanism
- Super speed USB 3.2
- Epoxy coated wear resistant keypad
- Self-destruct feature
- Unattended auto lock
- Drive reset feature
- Tamper proof

**1. LED lights**
- standby state / locked
- user mode / unlocked
- admin mode

**2. Alphanumeric keypad**
**3. Lock**
**4. Unlock**
**5. SHIFT key**
**6. Desk lock slot**
**7. USB 3.1 port**
**8. Mains power**
**9. On/Off switch**

GDPR Compliant | HIPAA COMPLIANT | CCPA COMPLIANT | TAA COMPLIANT

FC CE RoHS

**30 day**
free evaluation
www.istorage-uk.com

## Technical specifications

| | |
|---|---|
| Hardware | USB 3.2 super speed - backward compatible with USB 1/2/3 |
| Capacities | 1TB / 2TB / 3TB / 4TB / 6TB / 8TB / 10TB / 12TB / 14TB / 16TB / 18TB / 20TB / 22TB / 24TB / 26TB / 30TB |
| Speed | 286MB/s (read) \| 278MB/s (write) |
| Dimensions (H,W,D) | 185.5mm / 112mm / 43.5mm |
| Weight | approx. 1238 grams<br>based on a 8TB drive, other capacities may vary |
| Software free Compatible with: | MS Windows, macOS, Linux, Chrome, Android, Thin Clients, Zero Clients, Embedded Systems, Citrix and VMware |
| Hardware data encryption | AES-XTS 256-bit full disk hardware encryption |
| Certifications | NCSC CPA, FIPS 140-2 Level 2* / Level 3**, NLNCSA BSPA & NATO Restricted Level certified |
| Power supply | 12V AC adapter |
| Ordering information | *IS-DT2-256-XXXX-C-G **IS-DT2-256-XXXX-C-X |

XXXX = capacity | *NCSC CPA, FIPS Level 2, NLNCSA BSPA & NATO Restriced Level certified range | **FIPS Level 3 certified range

**BOX CONTENT**
Desktop drive
Universal mains adapter
USB cable
Quick start guide

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e-mail: info@istorage-uk.com
web: www.istorage-uk.com

ISO 9001:2015 certified

All listed capacities, within the diskAshur range is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products.

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