diskAshur PRO²®

The world's first and only NCSC CPA, FIPS 140-2, NLNCSA BSPA & NATO certified encrypted HDD/SSD

Commercial Product Assurance (CPA)

FIPS 140-2

Baseline Security Product Assessment (BSPA)

NATO Restricted Level

The diskAshur PRO² USB 3.2 HDD/SSD is an ultra-secure, PIN authenticated, hardware encrypted portable hard drive. Using the device couldn't be easier, simply connect the integrated cable 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.

One of the unique security features of the diskAshur PRO² is the dedicated on-board secure microprocessor (Common Criteria EAL5+ certified), 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 PRO² 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.

Tamper proof and evident 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.

Furthermore, the tamper evident design of the device if breached, will provide visible evidence that tampering has occured.

No speed degradation

As fast as any non-encrypted drive.

Auto lock

The diskAshur PRO² 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.

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.

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.

Features

- Real-time military grade AES-XTS 256-bit full disk hardware encryption
- Common Criteria EAL5+ certified (hardware) 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 with integrated cable
- Epoxy coated wear resistant keypad
- Self-destruct feature
- Unattended auto lock
- Drive reset feature
- IP56 certified (dust & waterproof)
- Tamper proof and evident design

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. Integrated USB 3.1 cable

30 day
free evaluation
www.istorage-uk.com

GDPR Compliant | HIPAA COMPLIANT | CCPA COMPLIANT | TAA COMPLIANT

FC CE RoHS

Please note:
The depth of the 3TB-5TB drive is 28mm instead of 20mm

Technical specifications

Hardware	USB 3.2 super speed - backward compatible with USB 1/2/3		
Capacities	**HDD:** 500GB / 1TB / 2TB / 3TB / 4TB / 5TB	**SSD:** 128GB/256GB/512GB/1TB/2TB/4TB/8TB/16TB	
Speed	**HDD:** 160MB/s (read) | 143MB/s (write)	**SSD:** 361MB/s (read) | 358MB/s (write)	
Dimensions (H,W,D)	124mm / 84mm / 20mm HDD: 500GB - 2TB	124mm / 84mm / 28mm HDD: 3TB - 5TB	124mm / 84mm / 20mm SSD: 128GB - 16TB
Weight	approx. 225 grams HDD: 500GB - 2TB	approx. 331 grams HDD: 3TB - 5TB	approx. 180 grams SSD: 128GB - 16TB
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		
Power supply	Bus powered		
Ordering information	**HDD:** *IS-DAP2-256-XXXX-C-G **IS-DAP2-256-XXXX-C-X	**SSD:** *IS-DAP2-256-SSD-XXXX-C-G **IS-DAP2-256-SSD-XXXX-C-X	

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

BOX CONTENT
Portable hard drive
Protective carry case
Quick start guide

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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.

iStorage®