# diskAshur® PRO

## Secure USB 3.0 FIPS Portable Hard Drive

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

**Looking for a high level of security for your data while utilising the fastest USB 3.0 speeds?**

The iStorage diskAshur Pro® military grade secure portable hard drive with real-time AES-XTS 256-bit hardware encryption is the ultimate secure data storage device with capacities of up to 2TB. The diskAshur Pro is certified to NIST FIPS 140-2 Level 2 and seamlessly encrypts all data on the drive in real-time using 100% hardware encryption keeping your data safe even if the hard drive is removed from its enclosure.

With software free setup and operation, the diskAshur Pro truly becomes platform independent and works across all operating systems including thin clients and embedded systems such as medical equipment. The diskAshur Pro enables you to access the drive by simply entering your own unique 7 -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 140-2 Level 2 Certified - Certificate No. 1970
- ✓ FIPS PUB 197 Validated Encryption Algorithm
- ✓ 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
- ✓ Encryption keys are always encrypted while at rest
- ✓ Supports Admin PIN and 4 unique User PINs 7-16 digits in length
- ✓ Super Speed USB 3.0 with integrated cable
- ✓ Variable Time Circuit Technology
- ✓ Water & Dust Resistant - Wear Resistant Keypad
- ✓ Bus Powered
- ✓ Auto Lock Feature
- ✓ Drive Reset Feature
- ✓ No admin rights needed
- ✓ Capacities of 500GB, 1TB, 1.5TB and 2TB
- ✓ 2 Year Warranty

## What is FIPS?

**FIPS Level 2 CERTIFIED**

Considered the benchmark in US government data security, FIPS 140-2 is a critical and globally recognised metric that demonstrates that the technology device has passed a stringent set of rigorous testing procedures and means the highest standard set for encryption algorithms and data protection.

## Why choose the diskAshur Pro®?

Did you know that millions of external data storage devices are lost or stolen every year and this figure is constantly on the rise.

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 is 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.

## Request your FREE 30 day evaluation

**30 DAYS**

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 or call +44 (0) 20 8991 6260 for your free 30 day evaluation.

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iStorage

## Technical Specifications

| | |
|---|---|
| Capacity | 500GB, 1TB, 1.5TB & 2TB |
| RPM | 5400 |
| Buffer Size | 8MB |
| Power Supply | Bus Powered |
| Dimensions (W, D, H) | 120 mm x 84.5 mm x 19 mm |
| Weight | max. 200 grams approx. |
| Approvals | FIPS 140-2 IL2, 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 | 2 Years |
| iStorage Part Number | IS-DP3-256-xxxF ( x = Capacity, F = FIPS ) |
| Box Contents | Drive, Travel Pouch & QSG (Quick Start Guide) |

## Brute Force Hack Defence Mechanism:

The iStorage diskAshur Pro 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 Pro 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 Pro.

## Self Destruct Feature:

You can pre-program the diskAshur Pro 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 Pro 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 Pro's electronics.

## Sealed from Physical Attacks by Tough Epoxy Coating:

In addition to encrypting the data and the encryption key itself, the diskAshur Pro adds another barrier between your data and a hacker. The encryption chip and circuitry of the diskAshur Pro 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 - Water & Dust Resistant

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

## Auto Lock Feature:

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

## Compact Rugged Design:

Perfect for taking your data on the road, the diskAshur Pro's low powered design is perfect for using with notebooks and taking your data on the road. Perfectly pocketable, the diskAshur Pro's compact, robust design features a 16-point omni-directional shock mounting system and rubberised paint, protecting the drive from drops and knocks.

# The iStorage Product Range - Innovative data security solutions

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**iStorage**