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Model: datAshur PRO

1. PRODUCT OVERVIEW

The iStorage datAshur PRO is a PIN authenticated, hardware encrypted USB flash drive designed to protect your digital assets. It features AES-XTS 256-bit hardware encryption, ensuring all data transferred to the drive is encrypted in real-time. The device is FIPS 140-2 Level 3 certified, meeting stringent security requirements for cryptographic modules.

This drive is compatible with various operating systems and devices that have a USB port, requiring no software installation. Its rugged, dust and water-resistant (IP57 certified) design makes it ideal for secure data transport.



Image: The iStorage datAshur PRO 64 GB encrypted USB flash drive, showcasing its keypad and compact design.

Video: Discover the datAshur PRO2 secure encrypted flash drive. This video provides an overview of the product's features and benefits.

2. SETUP AND INITIAL CONFIGURATION

Before first use, you will need to set up your User PIN. The datAshur PRO requires a 7-15 digit PIN for authentication.

2.1 Setting the User PIN

1. Press and hold the SHIFT key (bottom right button) for approximately one second to awaken the drive. The red LED will appear.
2. Press the KEY button (bottom left button) once. The green and blue LEDs will flash together.
3. Enter your desired 7-15 digit User PIN on the keypad.
4. Press the KEY button again to confirm your PIN. The green LED will flash, indicating successful PIN setup.

Once the PIN is set, the drive is ready for use. Remember your PIN, as incorrect attempts can lead to data loss.

Video: How to unlock & encrypt your data using datAshur PRO. This video demonstrates the PIN setup and unlocking process.

3. OPERATING THE DATASHUR PRO

3.1 Unlocking the Drive

1. Press and hold the SHIFT key (bottom right button) for approximately one second. The red LED will appear.
2. Press the KEY button (bottom left button) once. The green and blue LEDs will flash together.
3. Enter your 7-15 digit User PIN.
4. Press the KEY button again. The green LED will begin to flash.
5. You now have 30 seconds to insert the datAshur PRO drive into a USB port on your device. The green LED will turn solid, indicating the drive is unlocked and ready for use.

3.2 Transferring Files

Once unlocked and connected, the datAshur PRO functions like any standard USB flash drive. You can drag and drop files, copy and paste, or save directly to the drive. All data copied to the drive is automatically encrypted in real-time.

3.3 Locking the Drive

To lock the drive, simply eject it safely from your operating system and then remove it from the USB port. The drive will automatically lock and encrypt all stored data.

Video: How to unlock & encrypt your data using datAshur PRO2. This video demonstrates the process of unlocking the drive and transferring files.

4. SECURITY FEATURES

- **PIN Authenticated Access:** Access to the drive is secured by a unique 7-15 digit PIN.
- **AES-XTS 256-bit Hardware Encryption:** All data is encrypted in real-time using a FIPS PUB 197 validated encryption algorithm.
- **FIPS 140-2 Level 3 Certified:** The drive meets rigorous government standards for cryptographic modules.
- **Tamper-Evident Design:** Critical components are covered by a super tough epoxy resin, making physical tampering virtually impossible without causing permanent damage.
- **Brute Force Hack Defence:** After 10 consecutive incorrect PIN attempts, the encryption key will be deleted, rendering all data lost forever.
- **IP57 Certified:** Dust and water-resistant for enhanced durability.



Military Grade Security

All data stored on the datAshur PRO is encrypted using FIPS PUB 197 validated, AES-XTS 256-bit hardware encryption. All components incorporated within the datAshur PRO are completely covered by a layer of super tough epoxy resin.

Image: An internal view of the iStorage datAshur PRO, highlighting the epoxy coating that protects critical components from physical tampering.



FIPS 140-2 Level 3



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

Departementaal Vertrouwelĳk (DEP-V)



NATO Restricted Level

Image: Graphic indicating the iStorage datAshur PRO is Government certified to FIPS 140-2 Level 3 standards.



Brute Force Hack Defence Mechanism

Image: Illustration of the Brute Force Hack Defence Mechanism, which protects the drive from unauthorized access attempts.

5. COMPATIBILITY AND PERFORMANCE

The datAshur PRO is OS and platform independent, meaning it works on any device with a USB port. No software is required for operation.

- **Compatible Devices:** MS Windows, macOS, Linux, Android, Chrome, Thin Clients, Zero Clients, Embedded Systems, Citrix, and VMware.
- **Hardware Interface:** USB 3.0 (backwards compatible with USB 2.0).
- **Read Speed:** Up to 169 MB/s.
- **Write Speed:** Up to 135 MB/s.



Image: The datAshur PRO connected to a laptop, illustrating its high read and write speeds of up to 169 MB/s and 135 MB/s respectively.

6. SPECIFICATIONS

- **Brand:** iStorage
- **Model Name:** datAshur PRO
- **Model Number:** IS-FL-DA3-256-64
- **Memory Storage Capacity:** 64 GB
- **Hardware Interface:** USB 3.0
- **Special Feature:** Encrypted, Water Resistant
- **Write Speed:** 135 MB per second
- **Read Speed:** 116 Megabytes Per Second
- **Connectivity Technology:** USB
- **Flash Memory Type:** NAND
- **Color:** Blue
- **Item Weight:** 25 Grams

- Global Trade Identification Number: 05060220251168

7. MAINTENANCE

To ensure the longevity and proper functioning of your datAshur PRO, always safely eject the drive from your operating system before physically removing it from the USB port. This prevents potential data corruption or damage to the drive.



Image: The datAshur PRO demonstrating its IP57 certified dust and water resistance, highlighting its robust design.

8. TROUBLESHOOTING

8.1 Forgotten PIN

If you forget your User PIN, the drive has a brute force hack defense mechanism. After 10 consecutive incorrect PIN entries, the encryption key will be deleted, and all data on the drive will be permanently lost. The device will revert to factory default settings and will need to be formatted before further use. There is no recovery option for forgotten PINs to maintain maximum security.

8.2 Drive Not Recognized

Ensure the drive is properly unlocked before inserting it into the USB port. If the green LED is not solid after insertion, try re-entering your PIN and re-inserting the drive. Verify that your device's USB port is functioning correctly.

9. WARRANTY AND SUPPORT

The iStorage datAshur PRO comes with a Limited Warranty. For detailed warranty information and support, please refer to the official iStorage website or contact their customer service.

You can visit the iStorage Store on Amazon for more products and information.