

Aegis Padlock SSD

FIPS 140-2 ENCRYPTED USB 3.0 SOLID STATE DRIVE

FIPS VALIDATED 140-2 LEVEL 2 PORTABLE USB 3.0 DRIVE

AES-XTS 256-BIT HARDWARE ENCRYPTION

SOFTWARE-FREE SETUP & OPERATION

ONBOARD KEYPAD AUTHENTICATION SHARES NO CRITICAL SECURITY PARAMETERS WITH HOST

AEIGS CONFIGURATOR COMPATIBLE

ADMIN FORCED ENROLLMENT

USER FORCED ENROLLMENT

INDEPENDENT ADMIN / USER PINS

DATA RECOVERY PINS

NO ADMIN RIGHTS NEEDED

IP66 CERTIFIED: DUST & WATER RESISTANT

INTEGRATED SUPER SPEED USB 3.0 CABLE

ADMINISTRATOR MODE

COMPATIBLE WITH ANY USB PORT AND OPERATING SYSTEM WINDOWS®, MAC®, LINUX, ETC.

BUS-POWERED

DRIVE RESET FEATURE

UNATTENDED AUTO LOCK & SELF DESTRUCT PIN

BRUTE FORCE PROTECTION

TAA COMPLIANT / GSA DISCOUNTS

3-YEAR WARRANTY



FIPS 140-2 Level 2 Validated

WORKS WITH:



Aegis Padlock Solid State Drive

Where super tough meets ultra secure you'll find Apricorn's Aegis Padlock SSD. Boasting a crush resistant, aluminum enclosure that is water resistant and impervious to dust and grit, this secure solid state USB 3.0 drive is as tough as they come. With no moving parts, this drive is drop and vibration resistant, unaffected by high humidity and works in extremes of temperature.

Military-Grade 100% Hardware Encryption: Featuring AES-XTS 256-bit hardware encryption, the Aegis Padlock SSD seamlessly encrypts all data on the drive in real-time, keeping your data safe even if the hard drive is removed from its enclosure.

Software-Free Design: The Aegis Padlock SSD is ready to use right out of the box—no software, no drivers, no updates. It can even be utilized where no keyboard is present. Completely cross-platform compatible, the Fortress excels virtually anywhere—PCs, MACs, Linux, or any OS with a powered USB port and a storage file system.

Configurable: Create custom profiles and mass configure multiple Configurator-compatible Aegis devices at once with Apricorn's new Configurator / Powered Hub bundle.

Embedded Keypad: All PIN entries and controls are performed on the keypad of the Aegis Padlock SSD. No critical security parameters are ever shared with the host computer.

FIPS 140-2 Level 2 Validated: The Aegis Padlock SSD's FIPS 140-2 validation is the cryptography standard required by the US federal government for protection of sensitive data. It covers 11 areas of its cryptographic security system, including physical security, cryptographic key management and design integrity. Tested and validated by the National Institute of Standards and Technology (NIST) for use by the Federal governments of the USA, Canada and others, the Aegis Padlock SSD Drive is based on Apricorn's FIPS 140-2 Level 2 validated encryption module as indicated by certificate #2835. The Padlock's security policy is located on the NIST site at <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/140sp/140sp2835.pdf>. The epoxy coated boundary includes all encryption functions and all Critical Security Parameters (CSPs) such as PIN storage, encryption key generation and storage, random number and seed generators, and all firmware storage. The FIPS module is a complete encryption system, and all CSPs never leave the boundary and are never shared with a host system. By design, the HDD/SSD that stores the encrypted data is excluded from this boundary to both maximize affordability and product line flexibility in capacity and form factor offerings.

Lock-Override Mode: Designated for specific cases in which the drive needs to remain unlocked, e.g., during reboot, passing the drive through a virtual machine, or other similar situations that would normally prompt the Padlock SSD to automatically lock. When enabled, Lock-Override Mode allows the drive to remain unlocked through USB port re-enumeration and will not re-lock until USB power is interrupted.

Two Read-Only Modes: Perfect for accessing data on the drive in a public setting to protect against USB viruses. Particularly important in forensics, Read-Only Mode is ideal for applications that require data to be preserved in its original, unaltered state and can't be overwritten or modified. The Padlock SSD has two read-only modes. One is set by the admin within the admin mode and can't be modified or disabled by anyone other than the admin. The second read-only mode can be set and disabled by anyone with a recognized PIN.

Auto Lock feature and Self Destruct PIN: With the Aegis Padlock SSD you can set the unattended drive to lock after a pre-determined amount of time. In addition you can pre-program your own unique Self Destruct PIN which, once implemented, instantly destroys all PINs, data and creates a new encryption key.

Brute Force Protection: The Aegis Padlock 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 Padlock 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 Padlock.

Wear Resistant Key Pad - Water & Dust Resistant: Designed with protection in mind, the Aegis Padlock's 'wear resistant' keypad and case is impervious to dust, grit and water, and hides key usage to avoid tipping off a potential hacker to the commonly used keys.







Integrated USB 3.0 Cable: Never forget your cables again. Connect the drive at the flick of a fingertip.



Aegis Padlock SSD

FIPS 140-2 ENCRYPTED USB 3.0 SOLID STATE DRIVE

**FIPS
140-2
Level 2
Validated**

Security	Benefits
Onboard Wear-Resistant Keypad for Authentication	Unlock the drive with your own unique 7 to 16 digit PIN
On the Fly 256-bit AES-XTS Hardware Encryption	100% of your data is hardware-encrypted on-the-fly with military-grade, full-disk AES XTS encryption
Software-Free / Cross-Platform Compatible	No software involved in setup or operation – completely cross-platform compatible; works with Windows, Mac, Linux and embedded systems
Administrator Mode	Allows enrollment of one Administrator for setting parameters for PIN management, Read-Only, Auto-Lock, Self-Destruct, Lock-Override, and Brute Force
Forced-Enrollment / User Forced Enrollment	With no default factory preset PINs, the Admin is required to create a unique PIN at setup prior to use; forced enrollment feature can also be extended to first User PIN before use
Programmable Minimum PIN length	For added PIN length and enhanced security, minimum PIN length requirement can be increased from 7 characters up to 16 maximum
Features	Benefits
USB 3.0 interface	Super Speed USB 3.0 connection - up to 10x faster than USB 2.0
Water & Dust Resistant	The Aegis Padlock SSD's keypad and case is impervious to dust, grit and water
Aegis Configurator Compatible	Multiple Padlock SSDs or other Aegis Configurator compatible devices can be configured at the same time in a matter of seconds with pre-set device profiles.
Advanced Options / Modes	2 Read-Only Modes, Lock-Override Mode, Self-Destruct PIN
LED Flicker Button Confirm	Indicates positive button entry with visual LED confirmation
Recovery PINs	4 one-time use PINs to recover Data in cases of forgotten User / Admin PINs
Unattended Auto Lock	Automatically locks after a pre-determined amount of time or when USB hub power is interrupted
Programmable Brute Force Protection	Program the number of incorrect PIN entries allowed; defends against grand-scale automated and physical attempts to guess the PIN
Drive Reset Feature	Infinite number of resets; performs a crypto-erase with new encryption key regeneration
Compatible on any system	Works with Windows®, Mac® and Linux
Hard Drive Capacities	120GB, 180GB, 240GB, 480GB, 1TB, 2TB
Box Contents	Aegis Padlock SSD, Quick Start Guide, USB Y-cable and travel pouch
Specifications	
Data Transfer Rates	USB 3.0 - up to 300 MB/s
Power Supply	100% bus powered
Interface	Super Speed USB 3.0 (Backwards compatible with USB 2.0)
Shock Vibration	Shock 1500G/0.5ms, Vibration 20G/20-2000Hz
Dimensions & Weight	64mm x 82mm x 12.5mm Weight: 3.6oz or 102g
Warranty	3 year limited
Approvals	      FIPS 140-2 Level 3 (CERT #2835), IP-66
System Requirements	OS independent: Windows, Mac® OS, Linux, Android, Symbian
Ordering Information	Apricorn PN: ASSD-3PL256-120F, ASSD-3PL256-240F, ASSD-3PL256-480F, ASSD-3PL256-1TBF, ASSD-3PL256-2TBF

*One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.

For more information on **Aegis Padlock SSD** and other innovative Apricorn products visit our web site at www.apricorn.com or call 1-800-458-5448
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