Aegis Padlock SSD
AES 256 Bit XTS Military Grade
Hardware-Encrypted USB 3.2.
Our Smallest Portable, Reengineered
to Double its Read and Write Speeds
of the Original 2010 Version.

Small Footprint; Big Data Security.
Padlock SSD's encryption module meets NIST’s require-
ments for FIPS 140-2 Level 2 while delivering a new
level of advanced read / write speeds, all within a rugged
aluminum exterior in a compact size.

Here’s to the next ten.
When first introduced in
2010, the Padlock SSD was
designed to be a workhorse,
delivering reliable SSD data
security in an enclosure that
could stand up to extreme
weather conditions, hard
knocks and drops. Now with
our new super fast chipset,
a more robust keypad, and
greater storage capacities,
the Padlock SSD reasserts
itself as the clear choice
for compact, durable data
protection exactly where you
need it.

Double down on speed.
The Aegis Padlock SSD
portable secure devices now
features our next generation
chipset, generating speed
increases of roughly twice
that of its predecessor.
Coupled with the USB 3.2
gen 1 interface, the Padlock
SSD can deliver data trans-
fer rates of up to 350MB/s,
depending on file types, and
its host computer’s internal
drive type.

Works well with others.
Like all Aegis secure drives,
the Padlock SSD is soft-
ware-free and completely
hardware-encrypted, making
it completely cross-compat-
ible and OS agnostic. Since
100% of its authentication
and encryption processes
take place on the fly within
the device itself, none of
the CSPs are ever shared
with its host computer. The
Padlock SSD even works
with systems that don’t have
a keyboard.

Pocket full of data.
With more than 5 storage
capacity options, you can fit
as much as 4TB in a device
that is smaller and thinner
than a deck of playing cards.
Its pocket-sized, tamper-re-
sistant enclosure is crafted
from extruded, powder
coated aluminum with a
medical grade membrane
style keypad, resistant to
wear and abrasion.

©2021 Apricorn. 12191 Kirkham Rd., Poway, CA. 92064 | 800.458.5448 | apricorn.com
TECHNICAL SPECIFICATIONS

Aegis Padlock SSD
AES 256-Bit XTS Hardware-Encrypted USB 3.2 Gen-1 with Hardwired Type A Connector
Extruded Powder-Coated Aluminum with Breakaway Connectors and Epoxy Threadlock
Wear-Resistant Membrane Style Keypad / 10k Press Tested
Software-Free / Locked-Down Firmware to Prevent Introduction of Malware Such as BadUSB

Separate Admin and User Modes / PINs
Admin (Device Configuration) Mode and User Access Mode. The Admin mode controls the universal programmable settings of the device and can only be accessed with the Admin PIN. The User mode is for general external drive usage like read/write, unlock/lock, and certain other functions. The User mode is accessible via a User PIN or the Admin PIN.

Admin Forced Enrollment
Eliminates factory default PIN vulnerability by forcing the enrollment of an Admin PIN prior to use. As with all Apricorn Aegis secure devices, there are no default passwords, and no backdoors. In order to use any Apricorn secure drive, the Admin must first establish a complex PIN.

User Forced Enrollment
Beyond the admin PIN, one additional PIN can be generated to access the device’s data. This User PIN can be set up by the admin at initial setup, or the device can be deployed in a state of User Forced Enrollment, allowing the user to establish his or her own PIN prior to use.

Data Recovery PINs
Programmed by the admin at time of setup to permit regaining access to the drive by creating a state of User Forced Enrollment in which a new User PIN can be created without affecting the drive’s existing data or the Admin PIN.

Two Read-Only Modes
Universal Read Only: set by the admin from within the admin mode and can’t be modified or disabled by anyone but the admin. The second (User) mode can be set and disabled by a user but can also be enabled or disabled by the admin.

Programmable PIN Length
Admin Designates Minimum and Maximum PIN Lengths (between 7 and 16 Characters). The longer the PIN, the more secure the data on the device becomes. For example, the odds of brute force success go from 1/10,000,000 with a 7-digit PIN to 1/100,000,000 with an 8-digit PIN. In cases where the User sets up his or her own PIN from User Forced Enrollment, the Admin can still affect User password length requirements

Unattended Auto Lock
Programmable Length of Time of Inactivity Permitted Before Drive Locks Itself. All Aegis Secure Drives will automatically lock once disconnected from a computer’s USB port or the power to that USB port is interrupted, or after a pre-programmed period of inactivity.

Lock Override
Allows Drive to Remain Unlocked During USB Port Re Enumeration (Virtual Machine, Remote Boot). Designated for specific cases in which the drive needs to remain unlocked through USB port re-enumeration such as during reboot, or passing through a virtual machine.

Self-Destruct PIN
When Programmed and Activated, Performs a Crypto-Erase and Becomes New Access PIN. The last line of defense for data security when the device’s physical security is at risk. The Self-Destruct PIN defends against these physically compromising situations by erasing the drive’s contents, leaving it in normal working order appearing yet to be deployed

Brute Force Defense
Programmable Number of Consecutive Invalid PIN Attempts Permitted (4-20) Before Crypto-Erase. If the device comes under a physical brute force attack, once the programmed number (between 4 and 20) of consecutive incorrect password entries has been attempted, the device will delete its own encryption key and destroy the ability to decrypt its stored data.

Provision Lock
Patented setting where the admin can designate whether the device will permit itself to be reset by a User or after a brute force attempt. If Provision Lock is enabled, any attempt at complete reset will “brick” the device for good.

Aegis Configurator™ Compatible
Windows-Based App that Quickly Sets Up Multiple Devices Simultaneously. Create custom profiles and mass configure multiple devices in a matter of seconds using the Aegis Configurator. To configure an expanded number of devices, use the Powered Aegis Configurator Hub bundle.

CAPACITIES
SSD: 240GB, 480GB, 1TB, 2TB, 4TB

INTERFACE
USB 3.2 GEN. 1; TYPE A Connector backward compatible with USB 1 and 2

DIMENSIONS and WEIGHT
64.5mm x 83.5mm x 14mm | 102 g (2.5” x 3.3” x 0.55”) | 3.6oz

POWER SUPPLY
100% bus powered

TRANSFER RATE
SSD: up to 350MB/s*

SYSTEM COMPATIBILITY
WINDOWS, MAC OS, LINUX, ANDROID, CITRIX
any that supports a USB mass storage device

STANDARDS / CERTIFICATIONS
FIPS 140-2 LEVEL 3; CERT #3944
TAA COMPLIANT, NATO OTAN RESTRICTED (PENDING)

OPERATING TEMPERATURE RANGES
-40° to 158°F (-40°C to 70°C)

OPERATING HUMIDITY RANGES
95% @ temps under 131°F (55°C)

SHOCK SSD
NON-OPERATING: 1500G. 5ms
OPERATING: 1500G .5ms

CRUSH RESISTANT
UP TO 6500 LBS

ECCN / HTS / CAGE CODE
5A992.c / 8523.51.0000 / 3VYK8

WARRANTY
3-Year Limited

SKU NUMBERS
SSD: ASSD-3PL256-240F, ASSD-3PL256-480F, ASSD-3PL256-1TB, ASSD-3PL256-2TB, ASSD-3PL256-4TB

PACKAGE CONTENTS
Aegis Padlock SSD, (1) 18” Type-A Y-connector extender cable, (1) Travel Pouch, Multi-Language Quick-Start Guide

*To achieve these speeds, your computer’s internal harddrive must also be an SSD; all transfer rates will be limited by computer’s internal HDD
One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.