Aegis Fortress L3

AES 256 Bit XTS Military Grade Encrypted USB 3.2 and two interchangeable type-A and type-C cables

FIPS
140-2
Level 3
Validated

Highest Level of Data Security.

Created to **completely** meet NIST's requirements for **FIPS 140-2 Level 3**-- the highest security validation awarded to removeable storage devices. But it also happens to be super fast and ultra rugged.

The Aegis Fortress L3 is the perfect combination of software-free operation, advanced read / write speeds, and the maximum mix of security and durability.

FIPS inside and out.

Many encrypted hard drives claim to have FIPS validation. Often times, they're really talking about a single part of the device having that validation, like the encryption module, for example. So when we say the Fortress L3 **completely** meets NIST's requirements for **FIPS 140-2 Level 3**, we are talking about a validation that addresses the entire device: the hard drive, the electronics, the outer enclosure, even its breakaway fasteners-- all are included in its FIPS 140-2 level 3 validation boundary.

Really, really fast.

The Aegis Fortress L3 is the first in our line of portable secure devices to incorporate our next generation chipset, generating speed increases of 150% (write) and 180% (read) when compared to the previous generation of Aegis Fortress (SSD). Coupled with the USB 3.2 gen 1 interface, the Fortress L3 can deliver transfer rates of up to 370MB/s, depending on its host computer's internal drive type.

Works anywhere.

Like all Aegis secure drives, the Fortress L3 is software-free and completely hardware-encrypted, making it completely cross-compatible and OS agnostic. Since 100% of its authentication and encryption processes take place within the device itself, none of the CSPs are ever shared with its host computer. And with its two detachable connector cables, the Fortress L3 connects with both USB type-A and type-C ports.

Pocket full of data.

With 13 storage capacity options, there's a Fortress L3 to fit your every demand for space. Available in both SSD and HDD, storage capacities run from 500GB, all the way up to 5TB in HDD, and up to industry-leading 20TB in SSD. All in a pocket-sized, tamper-resistant enclosure milled from a solid block of aircraft grade 6061 aluminum alloy.
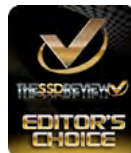
Aegis Fortress L3

AES 256-Bit XTS Hardware-Encrypted USB 3.2 Gen-1 with Two Connector Cables (Type-A / Type-C)

Milled from a Solid Block of Aircraft Grade 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

aegisware Our patented firmware delivering the industry's most advanced feature set– the heart and soul of every Apricorn device.

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.

TECHNICAL SPECIFICATIONS

CAPACITIES
HDD: 500GB, 1TB, 2TB, 3TB, 4TB, 5TB
SSD: 512GB, 1TB, 2TB, 4TB, 8TB, 16TB, 20TB

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

DIMENSIONS and WEIGHT
HDD: 500GB / 1TB / 2TB:
77mm x 122mm x 16.5mm | 280.7g
3" x 4.8" x 0.65" | 9.9oz
HDD: 3TB / 4TB / 5TB:
77mm x 122mm x 24.5mm | 388.4g
3" x 4.8" x 0.97" 13.7oz

SSD: 512MB / 1TB / 2TB / 4TB / 8TB:
77mm x 122mm x 16.5mm | 215.5
(3" x 4.8" x 0.65" | 7.6oz
SSD: 16TB / 20TB:
77mm x 122mm x 24.5mm | 337.4g
3" x 4.8" x 0.97" | 11.9oz

TRANSFER RATE
HDD: up to 180MB/s **SSD:** up to 370MB/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 #3699
TAA COMPLIANT, NATO OTAN RESTRICTED (PENDING)

CONFIGURABLE VCI RoHS FC CE

POWER SUPPLY
100% bus powered

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

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

SHOCK HDD
NON-OPERATING: 650G 1ms
OPERATING: 300G 2Mms

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

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

WARRANTY
3-Year Limited

SKU NUMBERS
HDD: AFL3-500, AFL3-1TB, AFL3-2TB, AFL3-4TB, AFL3-5TB
SSD: AFL3-S500, AFL3-S1TB, AFL3-S2TB, AFL3-S4TB,
AFL3-S8TB, AFL3-S16TB, AFL3-S20TB

PACKAGE CONTENTS
Aegis Fortress L3, (1) 18" USB 3.2 Type A,
(1) 18" USB 3.2 Type C, 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.

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