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Foremay Launches Avalanche® Military Secure Erase for SSD Drives

Foremay's UC007™ military grade flash management processor and its Avalanche™ military secure erase suite together offer comprehensive military-grade data purge and data destruction technologies including Type-I, Type-II and Type-III data sanitation solutions designed for industrial and military grade solid state drives.

PASADENA, California – November 11, 2013 - Foremay, Inc., a leader of technology innovation in rugged solid state drives and one of the world's Top SSD OEMs, today announced its entire portfolio of military secure erase solutions through its UC007 military grade SSD processor together with its Avalanche military secure erase suite. The military secure erase solutions are offered through Foremay's SC199 and TC166 product families with form factors of 2.5" SATA, 1.8" microSATA and JEDEC MO-300B compliant mSATA SSD drives.

"By taking advantage of Foremay's patent pending technologies, we are glad to offer a complete data secure erase and data destruction solution for solid state drives," said Jack Winters, Foremay's CTO and co-founder. "Through our Type-I software or ATA command based military data purge, Type-II hardware based data sanitation with fast erase feature and Type-III self-destruct technologies which destroy an entire SSD within a few seconds, we hope to provide features useful in mission critical and defense applications."

Currently supported Type-I and Type-II military secure erase methods include:

- Erase all blocks to "0" (fast erase)
- NSA/CSS 9-12
- NSA/CSS 130-2
- DoD 5220 22-M NISPOM
- DoD 5220 22-M NISPOM, Sup 1
- NISPOMSUP Chap 8, Sect. 8-501
- Air Force AFSSI 5020
- Navy NAVSO P-5239-26
- Army AR 380-19
- RCC-TG IRIG 106-07
- CSEC ITSG-06
- HMG IS5

- AG-ISM 2012
- BSI/VSITR
- Avalanche® method
- Gutmann method
- Customized secure erase methods (available upon request)

The main difference between Type-I and Type-II secure erase is that Type-I secure erase is executed through software or ATA command, while Type-II secure erase is trigged by a discrete signal or external hardware switch or hot button. Foremay's SSD drives after Type-I or Type-II secure erase are re-useable after re-format.

Type-III military destructive secure erase includes:

- Destroying the encryption key to render the entire drive unusable and inaccessible
- Destroying firmware to render the entire drive unusable and inaccessible
- Physically destroying all NAND flash memory permanently
- Foremay's SSD drives after Type-III secure erase are unusable

Product Availability

UC007 and/or Avalanche based military secure erase solutions are available now with form factors of 2.5" SATA, mSATA and 1.8" microSATA, offered through selected product models from Foremay's SC199 and TC166 product families. For more information about the product offerings, please contact info@foremay.net

About Foremay

Founded in the Silicon Valley in 2002, Foremay, Inc., is a leading organization dedicated to technological innovation in Solid State Drives (SSDs) for highly reliable mission-critical computing, industrial computing, and enterprise computing. Foremay's vision is to bring rugged, reliable, secured and high-performance solid state drives to the market. Foremay is headquartered in Pasadena, California, USA. For more information and product details, please visit www.foremay.net

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