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# Foremay Delivers Full Disk Encryption SED SSD with Crypto Erase

*Incorporating advanced cryptographic erase technologies, Foremay's self encrypting drives not only secure user information by implementing data encryption and file encryption on a full disk encryption basis, but also perform data self-destruction via automatic crypto erase at lightning speed when tampered or hacked.*


**PASADENA, California – January 26, 2016 -** Foremay, Inc., a leader of technology innovation in rugged solid state drives and one of the world's Top SSD companies, today released its Self Encrypting Drive (SED) enabled SSD. It uses hardware encryption technologies to encrypt and decrypt every single bit of data during the write and read process so that data on it is secured. In addition, the Foremay SED SSD offers a crypto erase feature that can instantaneously renders all data scrambled, scattered and useless - users can initiate crypto erase at anytime, or they can program automatic execution of crypto erase when triggered.

"Information security on SSD drives has become increasingly important to all users, particularly in government, defense, financial and medical industries," said Jack Winters, Foremay's CTO and co-founder. "Foremay's SED SSD protects the drives and the data from unauthorized access by means of 256-bit AES hardware encryption that complies with TCG OPAL 2.0. Users can also preset a maximum number of failed access attempts that will automatically trigger crypto erase."

One of the unique advantages of crypto erase is its lightning speed of the SSD secure erase. It takes only a second to complete the crypto erase of a Foremay SED SSD with capacity of up to 20 TB. Users can send an ATA command to initialize a crypto erase locally or remotely. In addition, users can opt to use a hardware triggered method to execute crypto erase.

Compared with software-based encryption which is usually associated with significant degradation of system performance, the on-the-fly hardware encryption on the Foremay SED SSD has virtually no degradation of system performance, and also has the advantage that Foremay's hardware encryption works with any operating systems. In addition, hardware encryption is far more secure than software-based counterparts, since software can be corrupted, affected by a virus or attacked by hackers, while hardware cannot.

The crypto key for self encrypting drives can be set and kept outside a Foremay's SED SSD only, so that even if the drive is stolen, there is no way to hack the key, let alone access the drive. Furthermore, with optional OPAL 2.0 features harnessed with an enhanced authorization key and encryption key authentication and verification process, when a drive is removed from its designated host computer, the drive will not be recognized and cannot be accessed by another computer even if a user has the correct authorization key.

***Product Availability***

Foremay's SED SSD drives are in production now, offered through selected product models from its SC199, EC188, TC166 and OC177 product families. For more features and other information about Foremay's SED SSD 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 innovations in rugged and secured Solid State Drives (SSDs) for highly reliable mission-critical computing, industrial computing, and rugged servers. Foremay is headquartered in Pasadena, California, USA. For more information and product details, please visit www.foremay.net

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