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Foremay® Announces Green Solid State Drives (SSD)

Ultra-low power consumption, noise free, security, high reliability and lead free (RoHS) are the core values of Foremay's Green Storage For 100 Years™ program.

San Jose, California, April 7, 2009 - Foremay, Inc. has launched its Green Storage For 100 Years™ program at the Flash Storage Summit by JEDEC in San Jose on April 6, 2009, which generated great interest from conference attendees who represented various industries such as laptops, storage servers, banking data centers, IPTV, and mobile communications.

Headquartered in Silicon Valley, Foremay is a pioneer in developing and marketing Solid State Drives (SSDs) for green storage applications which promote green planet initiatives. Foremay's green SSDs feature ultra-low power consumption (which saves 90% of the power of traditional HDDs, ultra-low noise (zero dB noise figure), ultra-high reliability (more than 100 years of device life endurance), and RoHS compatibility (lead free).

Compared with traditional mechanical disk HDDs, Foremay's Solid State Drives have inherent advantages. Its SSDs are ultra-energy saving, have long life and high reliability, and are zero noise and made with lead-free production which have made Foremay one of the leading SSD suppliers in the storage industry. The major advantages of Foremay's green SSDs are:

- Ultra-low power consumption (saving 90% of the energy of traditional mechanical disk HDDs);
- Noise free operation (0 dB noise figure versus a typical HDD noise figure of 35dB);
- Long life (more than 100 years versus a 3-year service life for a typical HDD, based on a 50GB write and erase per day on unit capacity of 32GB SSD);
- Ultra-fast read/write (6 times higher than HDDs);
- Ultra-high reliability (ability to withstand shock acceleration up to 2000G, exceeding military standards and 6 times higher than that of HDDs);
- Wide operating temperature range (in support of industrial-grade operating temperatures, -45 ~ +85 °C, while HDDs typically only cover +5 ~ 55 °C).

Foremay green SSDs have a wide range of applications in aerospace, mission critical, mobile communications systems, government information centers, disaster recovery systems, industrial computers, network companies/enterprise data centers, power grid companies, banks, securities institutions, car/ship/train/subways, IPTV / VOD, etc. Foremay has a full line of SSD products ranging from plug-and-play devices to on-board SSD solutions. The company has four product families:



- The PC166 family has a high performance to price ratio. It can be used for general desktops, notebooks, netbooks, and consumer electronics.
- The EC188 family has high speed and high system performance advantages for high-end personal computers, industrial computers, and enterprise servers.
- The SC199 family has ultra-reliability and high-wear resistance advantages for the high-reliability requirements of enterprise data centers and mission-critical industries, as well as applications that operate in harsh environments that require anti-collision, shock-proof, and security
- The OC177 family is our flash controller semiconductor chipset that are designed for high-degree integrated on-board computings, such as industrial embedded computers, POS terminals, cellular phones, setup boxes, gaming consoles, UMPC, netbooks, digital camcorders, digital cameras, GPS navigators, MP3 players, MPM, etc.

Data show that for 60% of the global enterprise data centers, a single rack consumes more than 800,000 kilowatt-hours per year. In the next five years, this number is expected to increase to 90%. The cost of energy and its related overall proportion of the total cost continue to grow. "Green Energy" has long been popular. Starting in 2009, green storage is becoming popular for enterprise data centers and the homes of ordinary people. Universal application of SSDs for Enterprise Flash Drives (EFDs) provides high reliability and high-performance I/O, at half the cost per IOPS for enterprise data centers.

The world is making an effort to reduce the greenhouse effect, and so does Foremay. The company has followed the concept of green storage product design to meet or exceed an SSD lifespan of 100 years. Foremay's products provide businesses and individual users with high-performance, high reliability, low- power consumption and lead-free SSDs.

"High reliability is one of the core values of green storage," commented Jack Winters, Foremay's corporate CTO. With respect to MTBF (mean time between failure), Foremay's green SSDs can extend to two million hours, which is more than 10 times that of traditional HDDs. Meanwhile, the use of unique auto-isolation of bad blocks and enhanced ECC technologies can ensure that data is accurate, secure and reliable.

Availability and Pricing

Foremay's SC199, EC188, PC166 and OC177 families are covered by the Green program. All four product families are now shipping. Datasheets and pricing are available upon request; please contact sales@foremay.net



About Foremay

Founded in the Silicon Valley in 2002, Foremay, Inc. is a leading company dedicated to designing and manufacturing of Solid State Drives (SSD) for industrial computing, mission critical computing, embedded computing, enterprise servers, web and e-mail servers, commercial laptops and desktops and mobile computing. Foremay's vision is to bring high performance, high reliability, high ruggedness and low power consumption ("Green Initiatives") solid state drives across the entire storage industry. Foremay is headquartered in the Silicon Valley, California, USA, with regional sales offices in Korea, China and Taiwan. For more information and product details please visit www.foremay.net

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