

## PRESS RELEASE



Hyperstone GmbH  
Line-Eid-Strasse 3, 78467 Konstanz, Germany  
Web: [www.hyperstone.com](http://www.hyperstone.com), Email: [info@hyperstone.com](mailto:info@hyperstone.com)

### **Hyperstone presents hyMap<sup>®</sup>, a new Flash Management Technology for a longer NAND Flash lifetime**

**Konstanz, Germany, August 6<sup>th</sup>, 2015** – Showcasing at the Flash Memory Summit in Santa Clara, CA, Hyperstone presents its new hyMap<sup>®</sup> technology which significantly improves endurance and random write performance for flash memory systems, thus enabling MLC for reliable industrial embedded storage systems.

Reducing Write Amplification (WAF) by a factor of more than 100 in fragmented usage patterns and small file random writes, hyMap<sup>®</sup> enables efficient write-erase-cycles resulting in higher performance, longer life and shorter random access response times. Consequently, in most applications hyMap<sup>®</sup> together with Hyperstone controllers and MLC flash enables higher reliability and data retention than other controllers using SLC. hyMap<sup>®</sup> does not require any external DRAM or SRAM.

Together with Hyperstone's proprietary hyReliability™ feature set, hyMap<sup>®</sup> provides enhanced endurance, data retention management, as well as rigorous fail-safe features mandatory for industrial applications.

#### **Advantages:**

- **Extended device life-time/endurance for embedded systems**
- **High-speed performance for small data by minimizing data transfer time**
- **Enabling lower-cost MLC flashes for industrial storage applications**
- **Optimized Data Reliability and Power Fail Safety**

Initially, hyMap<sup>®</sup> is available for Hyperstone's S8 - SD/MMC and U8 - USB Flash Memory Controllers. The new architecture will be used for all future Hyperstone products.

#### **Presentation at Flash Memory Summit**

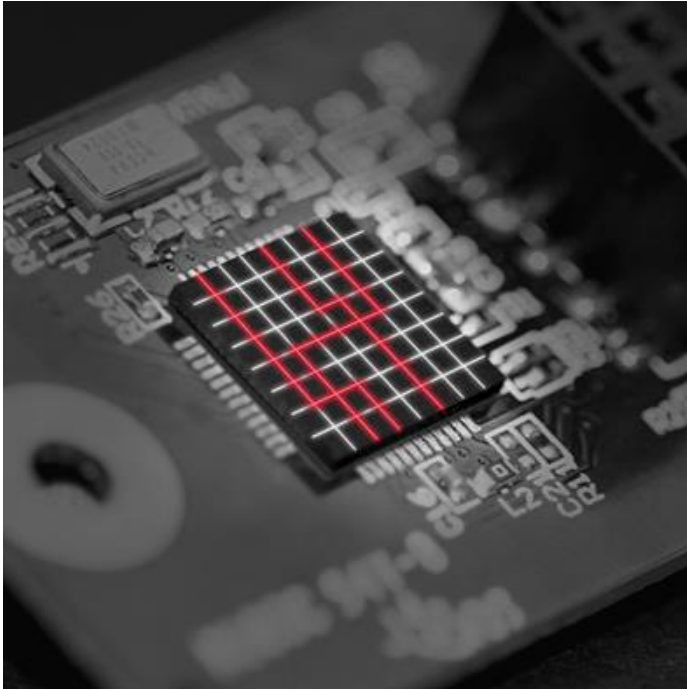
Hyperstone will share more details about hyMap<sup>®</sup> technology during the Flash Memory Summit 2015, August 11-13, Santa Clara Convention Center

Presentation Title *"Enabling MLC in Industrial and Embedded Storage"*

Speaker: Axel Mehnert, Vice President of Marketing

Wednesday, August 12<sup>th</sup>, 2015 - 3:10 – 4:15pm

Session 203-B Embedded Applications Part 1 Embedded Systems Track



### **About Hyperstone**

Hyperstone is a fabless semiconductor company based in Konstanz, Germany with a strong focus on world class flash memory controllers for industrial embedded markets. Its products set the standard for high-reliability flash management providing confidence for NAND flash performance in mission critical situations. Hyperstone's products include microcontrollers for various host interfaces and performance points, e.g. SATA, USB, CF/PATA, SD/microSD and eMMC. Flash controller firmware is supplied complementary to the controllers and customized for each flash and application.

To learn more about Hyperstone, please visit [www.hyperstone.com](http://www.hyperstone.com).

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### **Contact Information:**

#### **Hyperstone GmbH**

Line-Eid-Strasse 3, 78467 Konstanz, Germany

Phone: +49 7531 98030

#### **Media Contact:**

Susan Heidrich

Sales and Marketing Coordinator

SHeidrich@hyperstone.com

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