



## Silicon Motion Announces World's First Merchant SD Controller Solutions Supporting Latest SD 6.0 Specifications

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### New SD 6.0 controller family enables next-generation ultra-high performance, high-capacity expandable SD cards

TAIPEI, Taiwan, May 30, 2017 /PRNewswire/ -- Silicon Motion Technology Corporation (NASDAQ: SIMO) ("Silicon Motion"), a global leader in designing and marketing NAND flash controllers for solid-state storage devices, today introduced its new SD 6.0 controller solutions supporting SD Specification 6.0 and meeting the new A2 application performance rating with a minimum random read/write performance of 4,000/2,000 IOPS. Expandable memory cards with our new SD 6.0 controller will deliver ultra-high performance for users to run Android 6.x/7.x applications directly from SD cards as well as support bandwidth-intensive applications such as 4k video recording and playback and AR/VR.

Silicon Motion's SD 6.0 controller solutions support low voltage signaling to meet the needs of low-power SoCs and feature command queue, cache function and self-maintenance capabilities that enable high-performance, high-reliability and long endurance expandable memory cards – all critical features that are similar to those used in SSDs or embedded memory for managing large amounts of data. In addition, the SD 6.0 controller solutions support up to 2TB capacity and are offered in both commercial and industrial temperature grades, enabling SD 6.0 cards for high-performance and highly reliable storage for consumer, commercial, industrial and automotive devices.

"The use of expandable storage in mobile and industrial applications continues to be strong," said Nelson Duann, Senior Vice President of Product Marketing at Silicon Motion. "Most of today's Android smartphones and mobile computing devices allow users to run applications from removable cards directly. Silicon Motion's new SD 6.0 controllers extend the capabilities of expandable memory to provide a robust, high-capacity platform for running high-performance applications as well as bandwidth-intensive multimedia applications such as 4K video recording and playback."

Silicon Motion's SD 6.0 controller solutions specifications:

	SM2705EN	SM2707EN
Card Standard	SD 6.0	SD 6.0
Flash Interface	1-CH/4-CE	1-CH/8-CE
Application	A2	A2
Performance Class	Random Performance Read: 4,000 IOPS Write: 2,000 IOPS	Random Performance Read: 4,000 IOPS Write: 2,000 IOPS
Sequential Read/Write Speed	Up to 99/90 MB/sec	Up to 99/90 MB/sec
ECC	DuoECC	DuoECC
Capacity Support	Up to 256GB	Up to 2TB
Temperature Support	c-temp: 0°C to 70°C	i-temp: -40°C to 85°C
NAND Support	Supports 3D/2D NAND	Supports 3D/2D NAND

The SM2705EN and SM2707EN are currently sampling and are being designed in at multiple OEMs.

#### About Silicon Motion:

We are the global supply leader of NAND flash controllers for solid state storage devices and the merchant supply leader of SSD controllers. We have the broadest portfolio of controller technologies and solutions and have shipped over five billion NAND controllers, more than any other company in the world. Our controllers are widely used in embedded storage products such as SSDs and eMMCs which are found in smartphones, PCs and industrial and commercial applications. We also supply specialized high-performance enterprise and industrial SSD solutions. Our customers include most of the NAND flash vendors, storage device module makers and leading OEMs. For further information on Silicon Motion, visit us at [www.siliconmotion.com](http://www.siliconmotion.com).

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