



Silicon Motion introduces the First Single Chip Controller for Cost Effective USB Portable SSDs

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TAIPEI, Taiwan and MILPITAS, Calif., 28 May, 2019 -- Silicon Motion Technology Corporation (NasdaqGS: SIMO) ("Silicon Motion"), a global leader in NAND Flash controllers and solid-state storage devices, today launched an external Solid State Drive (SSD) controller solution with an on-chip USB 3.2 interface, offering high performance and low power consumption for the next generation of cost-effective portable and external SSDs.

Current portable and external SSD designs typically employ a stand-alone SSD with an USB to SATA or PCIe bridge chip for interface between the SSD and the host. The new SM3282 with on-chip USB 3.2 Gen 1 interface provides a complete single-chip hardware and software solution supporting the USB Attached SCSI Protocol (UASP) and 2 NAND channels with 4 CE (Chip Enables) per channel, enabling up to two terabytes of storage with the latest generation of 96-layer QLC NAND. The SM3282 also enables battery powered small form factor portable SSDs while significantly reducing Bill of Materials (BOM) cost.

"Professional users often rely on high-speed portable storage to get access to their data on-the-go. Portable SSDs have been inhibited by high pricing and limited capacity compared to portable HDDs," said Wallace Kou, President and CEO at Silicon Motion. "Our new SM3282 controller solution with its USB 3.2 Gen 1 interface enables the introduction of a new category of cost-effective portable SSDs as higher performance alternatives to portable HDDs."

The key features of the SM3282 include:

- Peak sequential read and write transfer speeds of over 400MB/sec
- Supports USB type A and type C
- Compatible with Windows 10, Mac OS 10.x and Linux kernel v2.4
- Crystal-less design for bill-of-materials cost savings
- Built-in 3.3V/2.5V/1.8V/1.2V voltage regulators
- Supports LED for indicating access status 68-pin QFN package

Silicon Motion is showcasing SM3282 in the company's Computex 2019 private suite and will be sampling to customers in June 2019. For more information or to request samples, please contact your Silicon Motion Sales representatives or go to www.siliconmotion.com.

About Silicon Motion:

We are the global leader in supplying NAND flash controllers for solid state storage devices and the merchant leader in supplying SSD controllers. We have the broadest portfolio of controller technologies and our controllers are widely used in embedded storage products such as SSDs and eMMC+UFS devices, which are found in smartphones, PCs and commercial and industrial applications. We have shipped over six billion NAND controllers in the last ten years, more than any other company in the world. We also supply customized high-performance hyperscale data center 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.

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