Silicon Motion Unveils High-Performance Single Chip PCIe Gen4.0 BGA FerriSSD® with i-temp for Industrial and Automotive Applications

March 26, 2024

Company Also Showcases the Entire Portfolio of Ferri Embedded Storage Solutions at Embedded World 2024

TAIPEI and MILPITAS, Calif., March 26, 2024 /PRNewswire/ -- Silicon Motion Technology Corporation (NasdaqGS: SIMO) ("Silicon Motion"), a global leader in designing and marketing NAND flash controllers for solid-state storage devices, today introduced the new generation FerriSSD NVMe PCIe Gen 4 x4 BGA SSD. This latest solution features support for i-temp and integrates advanced IntelligentSeries™ technology, delivering robust data integrity in extreme temperature environments that meet the rigorous demands of industrial embedded systems and automotive applications.

FerriSSD with i-temp.

The latest FerriSSD BGA SSD supports PCIe Gen 4 x4 and uses high density 3D NAND within a compact 16mm x 20mm BGA chip-scale package. With storage capacities up to 1TB, these high-performance embedded SSDs utilize Silicon Motion's latest innovations to achieve high sequential read speeds exceeding 6GB/s and sequential write speeds exceeding 4GB/s. Equipped with Silicon Motion's proprietary IntelligentSeries™ data protection technology that enhances reliability and performance through the use of encryption, data caching, data scanning and protect features, as well as supporting the i-temp requirements of operating in extreme temperatures from -40°C to + 85°C. This latest FerriSSD offers a high performance and highly reliable embedded storage solution for a broad range of applications and operating environments including in-car computing, thin client computing, point-of-sale terminals, multifunction printers, telecommunications equipment, factory automation tools, and a wide range of server applications.

Additional features of the FerriSSD solution includes:

- Built-in SR-IOV capability, enabling virtual machines to share a single physical PCIe device, ensuring greater flexibility and scalability, while maintaining security.
- Digitally signed firmware with eFuse, AES-128/256 encryption
- TCG Opal v2.01 compliance
- Hardware SHA384 with a True Random Number Generator (TRNG), offering the most robust data security

Silicon Motion is dedicated to developing innovative and highly adaptable cutting-edge solutions. We are excited to announce that our latest

embedded storage technology will be unveiled at Embedded World 2024. Meet our experts at booth #385 in Hall 1 to discover more about this groundbreaking technology. For further details, kindly visit https://www.siliconmotion.com/events/2024EW/

About Silicon Motion:

We are the global leader in supplying NAND flash controllers for solid-state storage devices. We supply more SSD controllers than any other company worldwide for servers, PCs, and other client devices. We are the leading merchant supplier of eMMC and UFS embedded storage controllers used in smartphones, IoT devices, and other applications. We also supply customized high-performance hyperscale data center and specialized industrial and automotive SSD solutions. Our customers include most NAND flash vendors, storage device module makers and leading OEMs. For further information on Silicon Motion, visit us at www.siliconmotion.com.

Corporate Media Contact:
Minnie Lin
Director of Marketing Communication Department
Tel: +886 2 2219 6688 x3010
E-mail: minnie.lin@siliconmotion.com

Investor Contact:
Jason Tsai
E-mail: jason.tsai@siliconmotion.com

Sales Contact:
E-mail: service@siliconmotion.com

SOURCE Silicon Motion Technology Corporation