



SMART Modular Demos its New 3.0” 256GB Gen-Z Memory Module at the Flash Memory Summit

August 6, 2019

SMART's commitment to collaboration leading to innovation on display at industry leading event August 6-8 in Santa Clara, CA.

NEWARK, CA, August 6, 2019 — [SMART Modular Technologies, Inc.](#), a subsidiary of [SMART Global Holdings, Inc.](#), (NASDAQ: SGH), and a leader in specialty memory, storage and hybrid solutions including memory modules, Flash memory cards and other solid state storage products, today announced it will be demonstrating its new 3.0” 256GB Gen-Z Memory Module (ZMM) at the Gen-Z Consortium booth at the [2019 Flash Memory Summit](#) in Santa Clara, CA.

The [Gen-Z Consortium](#) is made up of leading computer industry companies dedicated to creating and commercializing a new data access technology. As a contributing member of the Gen-Z Consortium since 2016, SMART has developed and demonstrated multiple generations of Gen-Z memory and storage solutions. The newest 3.0” 256GB DDR4 ZMM supports multiple access semantics, byte and block addressable DRAM access, in-band configuration, and access key/region key memory isolation opcodes. The 3.0” form factor follows the industry-standard enterprise and datacenter SSD 3” form factor from SNIA (4C SFF-TA-1008/9).

SMART's 256GB ZMM supports 30GB/s of data bandwidth with 400ns deterministic access latency running in Hewlett Packard Enterprise and Dell Gen-Z enabled rack servers. The Gen-Z scalable computing interconnect protocol provides a simplified interface based on memory semantics and is designed to handle advance workloads, enabling data-centric computing with scalable memory pools and resources for real-time analytics and in-memory applications. The Gen-Z interconnect standard was developed to enable new solution architectures for delivering high levels of performance (high-bandwidth, low-latency), software efficiency, power optimizations, and industry agility.

SMART's DDR4 256GB ZMM uses a Gen-Z DRAM Memory Controller ASSP developed by IntelliProp.

“SMART has provided significant leading-edge development support for Gen-Z adoption,” said Larry Cleland, director, Sales and Marketing at IntelliProp. “We are glad to be partnered with them for these last few years as we have worked closely together to integrate our Gen-Z Memory Controller ASSPs into their Gen-Z Memory Modules.”

“SMART's dedication to the Consortium has been invaluable,” said Kurtis Bowman, president of the Gen-Z Consortium. “Solutions like the 256GB Gen-Z Memory Module (ZMM) represent important advancement for the industry ecosystem and encourage the adoption of Gen-Z technology. We look forward to future product developments from SMART and other Consortium members.”

SMART's DDR4 256GB ZMM uses a high density DDR4 32Gb 3DS 4-high DRAMs provided by Samsung.

The [2019 Flash Memory Summit](#) will be held [August 6-8](#) at the Santa Clara Convention Center and expects to draw more than 6,500 attendees and 120 exhibitors.

To learn more about SMART's 3.0” 256GB Gen-Z ZMM, visit SMART at booth #627 and visit the Gen-Z Consortium at booth #739 to see the live demo. Info can also be found online at www.smartm.com/Gen-Z.

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About SMART Modular Technologies

Serving industry for over 30 years, SMART Modular Technologies is a global leader in specialty products including memory modules, solid state storage products and hybrid solutions which are critical to electronic devices and are available in standard, custom and ruggedized, high performance, high capacity applications. SMART Modular delivers solutions to a broad customer base, including OEMs in computing, networking, communications, storage, mobile, military, aerospace and industrial markets. Focused on providing extensive customer-specific design capabilities, technical support and value-added testing services, SMART collaborates closely with their global OEM customers throughout the design process and across multiple projects to create solutions for demanding applications with differentiated requirements. SMART is a pioneer of secure, ruggedized solid state drives (SSDs) incorporating additional attributes such as encryption, secure data elimination and write-protect features required in the high-performance military, aerospace and industrial markets. Taking innovations from the design stage through manufacturing and supply, SMART Modular has developed a comprehensive product line comprised of DRAM, Flash and hybrid memory and storage technologies across various form factors. SMART Modular is a subsidiary of [SMART Global Holdings, Inc.](#)

See www.smartm.com for more information.

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