

JMicron showcases its USB 3.1/USB type-C solutions for new storage applications and latest SSD technology at COMPUTEX TAIPEI 2015

HSINCHU, TAIWAN, May 29, 2015 – JMicron Technology Corp. announced today that it will display the company's USB type-C solutions for its entire series of USB storage bridge controllers at COMPUTEX TAIPEI 2015, opening on June 2, 2015 in Taipei. JMicron will also showcase the JMS580, the company's first USB 3.1 Gen 2 to SATA III controller, which supports an advanced USB technology at a data rate of 10G bits per second (Gbps). Additionally, JMicron will unveil the refined JMF60F and JMF670H: two solid-state disk (SSD) controllers for industrial, entry, and mainstream consumer markets.

JMicron's USB Type-C Solutions for its Storage Controllers

JMicron will exhibit USB type-C connectivity solutions for the company's whole series of USB to single- and dual-SATA III bridge controllers, including the JMS577, JMS578, and the JMS561 at COMPUTEX TAIPEI 2015. The USB type-C cable and connector support USB data throughput at USB 3.1 Gen 2 10Gbps, as well as USB Power Delivery (PD) up to 100W—all contained in a flexible package with reversible plug orientation and cable direction. It is believed USB type-C technology will provide limitless potential in the ability to interface with docking stations, USB hubs, smart TVs, and wearable electronics—including both industrial and automobile applications. USB storage producers will be able to gain quick access into the USB type-C market by providing their USB type-C enabled products through JMicron's turnkeys.

The JMS580: JMicron's first USB 3.1 Gen 2 10Gbps to SATA III Bridge Controller

JMicron will unveil its first USB 3.1 Gen 2 to SATA III bridge controller, which provides a data transmission rate of 10Gbps—doubling the speed from USB 3.1 Gen 1. Global motherboard leaders, such as Asus, MSI, and ASRock, have been shipping USB 3.1 Gen 2 motherboards since Q2 2015. JMicron predicts about half a million motherboards with USB 3.1 Gen 2 technology will be sent to market by the end of June this year, and the quantity is expected to grow significantly in the second half of 2015. In addition, some external regional enclosure manufacturers have been delivering their USB 3.1 Gen 2 products since the start of Q2 2015. It's projected that USB 3.1 Gen 2 bridge controllers, such as the JMS580, will generate innovative applications in the near future, such as USB 3.1 Gen 2 high speed and large capacity SSD RAID storage devices.

The JMF60F: The Most Cost Effective SATA III SSD Controller

The DRAM-less JMF60F is the successor of the JMF608, JMicron's well-known SSD controller released in 2013. Utilizing only two channels, the JMF60F's performance can rival four channel SSD controllers offered by other manufacturers by delivering a superior sequential read data throughput: over 500M bytes per second. The JMF60F is reinforced by cutting edge 72bit/1KB ECC engine technology and supports a Toggle 2.0/ONFi 3.0 NAND interface, as well as providing 3x/2x SLC, 2x/1x/1y/1z, and 3D MLC NANDs for both industrial and consumer markets.

The JMF670H: JMicron's Performance SSD Controller

The JMF670H is a SATA III SSD controller designed for the mainstream SSD market. Its application is broad, supporting 2x/1x/1y/1z and 3D MLC NANDs. The JMF670H delivers extraordinary sequential read and write performance—up to 540M and 450M bytes per second, respectively. JMicron’s “Write Booster”, an architecture designed specifically for accelerating data transmission, enables the performance of the smaller 120GB JMF670H SSD drive to compete head-to-head with 512GB SSD drives on the market.

JMicron product demonstrations at COMPUTEX TAIPEI 2015 will be available in Suite 2407 at the Grand Hyatt. Admission is by invitation only.

About JMicon

JMicron Technology Corp. is an industry leading IC company specializing in designing PCIe and SATA SSD controllers, USB to single- or dual-SATA bridge controllers, and SATA to SATA port multipliers.

JMicron provides a wide selection of SSD controllers, covering SATA III and SATA Express Gen2 2-lane- and 4-lane-interfaced SSD controllers. JMicron’s SSD controller technology possesses superior performance and reliability that is critical to our clients’ applications; as such, we work in close collaboration with SSD manufacturers and even NAND flash memory producers. JMicron’s diverse peripheral device product portfolio ranges from USB 3.1 Gen 2, USB 3.1 Gen 1, and USB 2.0 to Fire Wire storage solutions—which powers the full spectrum of external storage devices, including single-, dual-, and multiple-bay hard disks, SSDs, Blu-ray DVD/CD players, and Network Access Storage (NAS) devices with RAID functionality. For more product information, please go to www.jmicron.com.

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