JMicron's USB 10 Gbps controller achieved USB 3.1 Gen 2 compliance

JMicron, a major IC design house for the USB storage device, announced the JMS580, its USB 3.1 Gen 2 to SATA 6Gb/s bridge, had achieved USB 3.1 Gen 2 compliance at the USB-IF Compliance Workshop held this May in Portland, USA, and had been granted a TID #5040103034.

The JMS580 substantially upgrades the effective USB data rate to 10 Gbps meanwhile retaining backward compatibility with USB 3.0, USB 2.0, USB 1.1, and provides increasingly popular USB Type-C by incorporating the multiplexer and the demultiplexer as well as Configuration Channel, or CC, Logic into the design. With Type-C, both ends of a USB cable are identical, allowing for reversible plug orientation.

Also, the JMS580's SATA 6Gb/s downstream interface not only offers a sufficient bandwidth for prevalent hard disk drives, or HDDs, but empirically for solid state drives, or SSDs, to reach a data transfer rate to 560 MB per second, a nearly ceiling speed for an SATA SSD.

JMicron had devoted to high-speed interface design and dedicated to providing the client total cost effective solutions about USB 2.0, USB 3.0 and USB 3.1 since the company started.

"Achieving the compliance from the USB Implementers Forum, or USB-IF, represents the highest recognition for JMicron's capability to develop quality USB products," indicated Tony Lin, the sales, and marketing director of JMicron.

"The JMS580 is characterized by high-speed, low power, and quick adaptation to a variety of applications for HDD and SSD. JMicron has begun to ship the JMS580 in volume, and we have already engaged some major industry players with the JMS580 to design their next generation data storage devices", said Tony Lin.

JMicron believes the demand for high-speed and large capacity data storage devices will continue to grow. Meanwhile, the company will migrate its technology to the arena of mobile device applications.

"JMicron will release a series of high-speed bridges with this 10 Gbps technology in the second half of 2017. We firmly believe this move will lead the global high-speed data storage industry to another new era", released Tony Lin.

About JMicron

JMicron Technology Corp. is an industry leading IC company specializing in designing the USB to one or dual SATA Bridge controller, and the SATA to SATA port multipliers.

JMicron's diverse peripheral device product portfolio is ranging from the USB3.1, USB3.0, and USB2.0 which power the full spectrum of the external storage devices, including single, two and multiple-bay of the hard disk, SSD and Blu-ray DVD/CD and Network Access Storage, or NAS, devices with RAID functions. JMicron now possesses a stock symbol 4925 in the Taiwan Gre Tai securities market. For more product information, please go to www.jmicron.com.

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