

## **JMicron Technology Corporation is leading the way to a new era of high-speed external storage devices**

In response to the development trend of next-generation high-speed external storage devices, JMicron Technology (GTSM: 4925) took the lead in the industry by introducing JMS583, a dedicated high-speed USB 3.1 bridge for PCIe SSDs, during last year's Computex Taipei. The prototype design of USB 3.1 Gen2 to PCIe/NVMe with its superior data transfer performance has been officially going into mass production in April 2018. This year, it is expected to lead the external storage device into a new era of ultra-high speed data transmission.

With the evolution of the high-speed interface technologies, external storage devices have gradually entered the solid-state hard disk (SSD) era in recent years from traditional mechanical hard disks (HDD). Compared with traditional mechanical hard disks, solid-state hard disks have superior data transfer speed and access performance. Thin and low power requirements are very attractive for portable external storage devices. Recently, the SSD specifications are also converted from the traditional SATA interface to a higher speed PCIe/NVMe interface. As a result, a new requirement for external high-speed bridge controller has emerged. During the 2018 Computex Taipei, JMicron collaborates with many major customers to release an external PCIe solid-state hard disk solution based on the JMS583 bridge controller. The average data transfer rate is over 1000 MB/s, and is able to saturate the theoretical maximum bandwidth of USB 3.1 Gen2. Its ultra-high speed performance can surely satisfy the power users' needs.

In addition, the JEDEC Solid State Technology Association for high-speed memory card interface indicated that UFS (Universal Flash Storage) has entered the maturity stage this year. JMicron will launch the equivalent bridge controller, JMS901 (USB3.1 Gen1 to UFS/UHS-I), at this exhibition. This chip will be extensively used for high-speed memory card readers or flash drive solutions that require UFS interfaces and conversions, which will allow customers to quickly introduce and apply this new memory interface technology into their product lines.

Concurrently, JMicron will also announce a numbers of different high-speed bridge controllers and the corresponding solutions for variety applications. The new chips and solutions will be in mass production in the second half of this year. JMicron will continue to focus on the research and the development of high-speed technologies, and collaborate with major customers to provide ultra-high-speed storage bridge controller solutions.