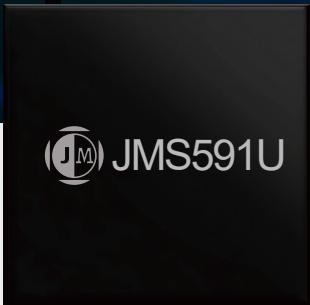


USB 3.2 Gen2x2 & eSATA 6Gb/s to 5 ports SATA 6Gb/s CLONE & Erase Storage Solution

JMicron® USB 20Gbps & eSATA 6Gb/s Five-Bay SATA Bridge Controller Clone Smarter, Erase Safer



Key Feature

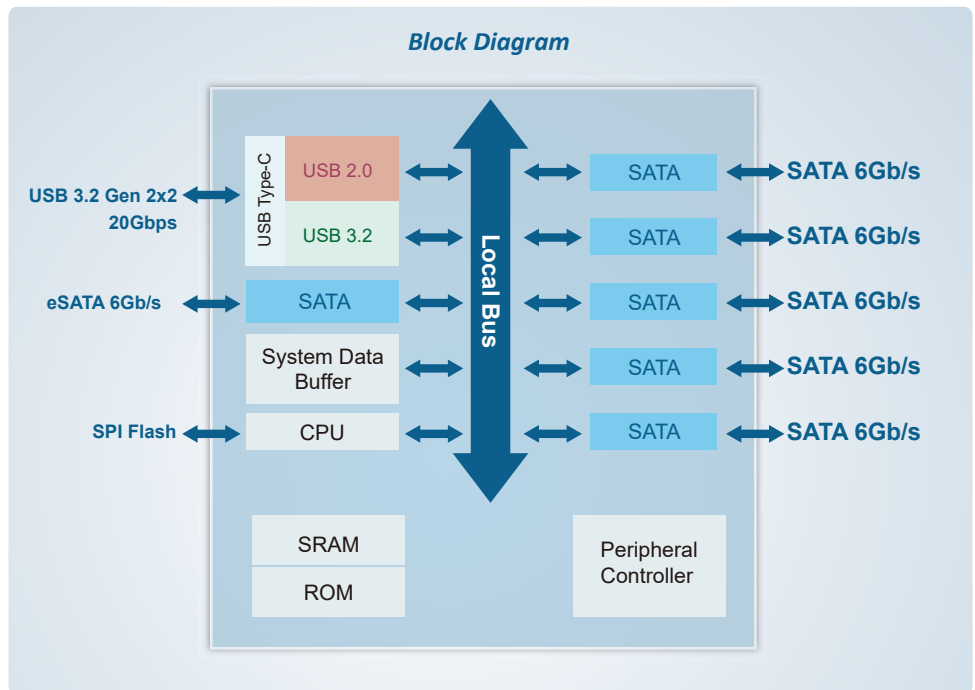
- USB 3.2 Gen 2x2 & eSATA 6Gb/s to 5 ports SATA bridge controller
- Integrated offline clone and erase with simple one-button operation
- Support FS/HS/SS/SS+ USB operation and up to SuperSpeed USB 20Gbps
- Integrate with USB Type-C™ CC-Logic
- Support USB Bulk Only Transfer (BOT) and USB Attached SCSI protocol (UASP)
- Support USB link power management
- Support SATA Port Multiplier through USB & eSATA
- Support USB & eSATA firmware download and update
- Support TRIM to the SSD
- Support NCQ to all SATA ports
- Support GPIO for UART/I2C/SPI and PWM control
- 12x12, 196 TFBGA package

Product Description

The JMS591U is a high-performance bridge controller supporting USB 3.2 Gen2x2 and eSATA 6Gb/s dual-host interface, providing over 2000MB/s bandwidth in USB system application. Supporting up to 5 SATA devices, suitable for HDDs, SSDs, or other storage devices.

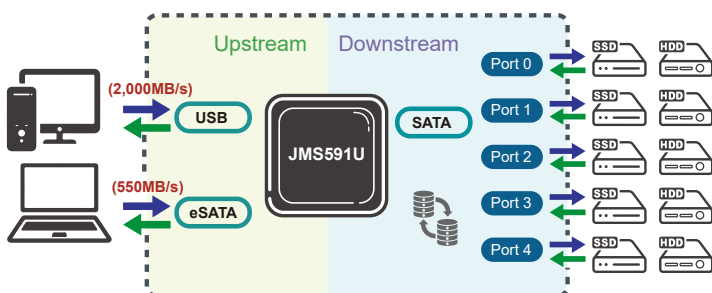
With built in offline clone and erase functions, JMS591U ensures fast data replication and professional data sanitization, making it ideal for enterprise, government, and data sensitive markets.

- Clone: with a simple one-button operation, users can efficiently back up critical data to multiple storage devices with ease
- Erase: ensuring data is erased to protect sensitive information and prevent data leakage.



Typical Application

Clone Applications



Erase Applications

