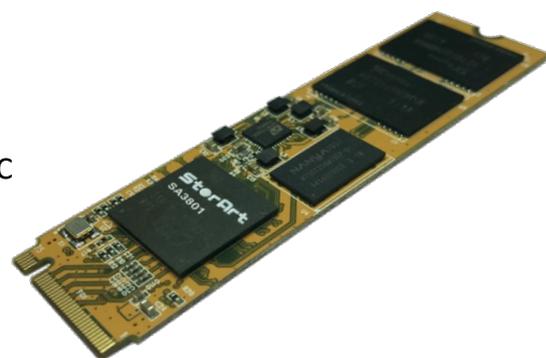


PRODUCT OVERVIEW

The SA3801 is Storart's first NVMe SSD controller capable of PCIe 3.0 X 2 Lanes end points providing a 2GB/s interface to host. This controller offers a cost effective and high performance solution for client PC/ultra-book, consumer electronics, IPC, hyperscale datacenter and other markets. It also has Storart's new LDPC technology for reliability enhancement, and endurance boost. By leveraging Storart flash management technology, excellent sequential/random read/write performance and better lifetime extension compared to other SSD controllers.

KEY FEATURES

- PCIe 3.0 x 2 lanes
- NVMe 1.2
- Support NAND Flash - 1x/1y/1z nm & 3D NAND MLC/TLC
- Support ONFi4.0, Toggle2.0, up to 533MHZ
- Support 4 channels with 8 chip selection
- Support 1/2/4 plane flash
- Support up to 2TB support
- Proven Storart's new LDPC technology secures NAND endurance and reliability
- Support End to End protection for internal data path
- Support DDR3/DDR3L/DDR4
- Support HMB
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BLOCK DIAGRAM

