

SSD NVMe PCIe

ESSENTIAL EDITION



NVMe technology mainstream



S3+® SSD NVMe Essential Edition is an entry-level class PCIe NVMe SSD and this is the ideal solution for all PCs that have limited space and need an upgrade to increase processing speed.

With a 4-channel Silicon Motion controller and 96-layer 3D NAND Flash memory, this drive provides read/write speeds of up to 2.100MB/s and 1.700MB/s*, with capacities ranging from 240GB to 960GB.

This unit offers more than double the speed of SATA SSDs, and up to 20 times faster than a traditional hard drive, together with extraordinary responsiveness and ultra low latencies.

The ideal expansion for PC and Notebook

S3+® SSD NVMe Essential Edition is suitable for PCs and notebooks.



PCI Express (PCIe)

PCI Express (Peripheral Component Interconnect Express), is a standard serial bus expansion interface for computers. This allows a remarkable modularity, more channels can be aggregated to increase the available bandwidth.

NVMe standard

NVMe (or NVM Express®) is a standard interface for the host controller designed for business applications and clients using a PCI Express-based SSD.

Greater data integrity

The SSD NVMe S3+® Essential Edition uses LDPC (Low-Density Parity Check) technology, a powerful ECC algorithm, to protect data.

Guaranteed quality

For the highest level of quality, S3+® SSDs undergo rigorous testing across all production's steps, including vibration, temperature, humidity, speed and functionality tests.

* Data based on "out-of-box" performance measured with a PCIe 3.0 motherboard. The speed may depend on the hardware, the software and the type of use of the host. Max speed in random read / write 4K measured with IOMeter based on 8GB partition.

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Technical features

- Capacity: 240GB/480GB/960GB**
- Form factor: M.2 2280-M
- PCIe interface: PCIe Gen3 x 4
- Controller: Silicon Motion SMI2263XT
- NAND: Toshiba/Sandisk BICS4 TLC 96-layer
- Compatibility: NVMe 1.3
- Performance: Read: up to 2100 MB/sec***
Write: up to 1700 MB/sec***
- Dimensions: 80mm×22mm×3.73mm (board)
- Connector: M-Key
- Weight: 20 gr
- MTBF: 2.000.000 hours
- Data retention: > 20 years @ 25°C
- Operating temperature: From 0°C to 70°C
- Storage temperature: From -40°C to 85°C
- Shock resistance: 1500G
- Power supply: 3,3V +/- 5%
- Energy consumption: Stand-By 0,3W – Write Max 5W
- Certifications: CE, FCC, RoHS
- Warranty: S3+® 3-year Limited Warranty

SKU

- S3SSDD240 240GB S3+ SSD M.2 NVMe™ PCIe Gen 3x4 (2280)
- S3SSDD480 480GB S3+ SSD M.2 NVMe™ PCIe Gen 3x4 (2280)
- S3SSDD960 960GB S3+ SSD M.2 NVMe™ PCIe Gen 3x4 (2280)

** Part of the total capacity indicated for Flash storage devices is actually used for formatting functions and other functions, so this space is not available for data storage. Therefore, the unit's actual data storage capacity is less than that reported on the product.

*** Performance related to the 960GB model

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