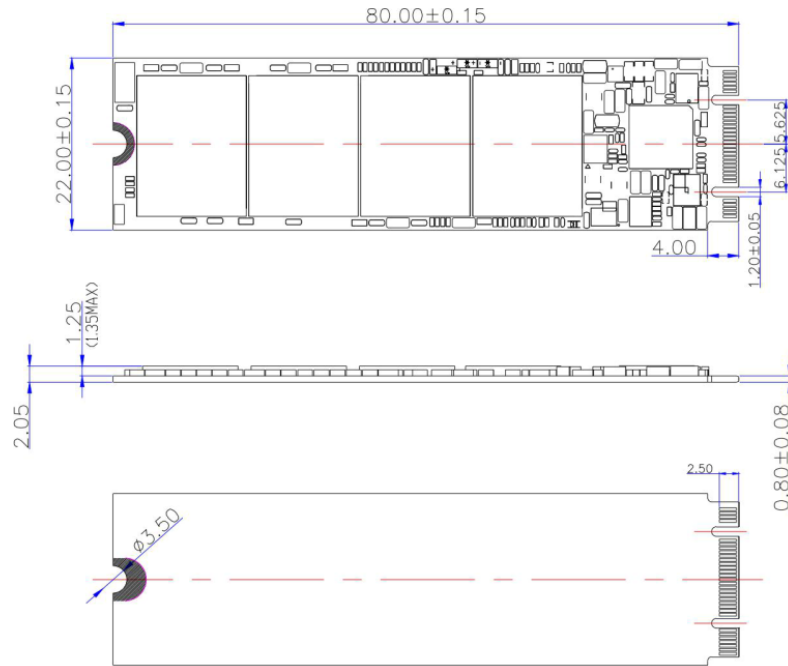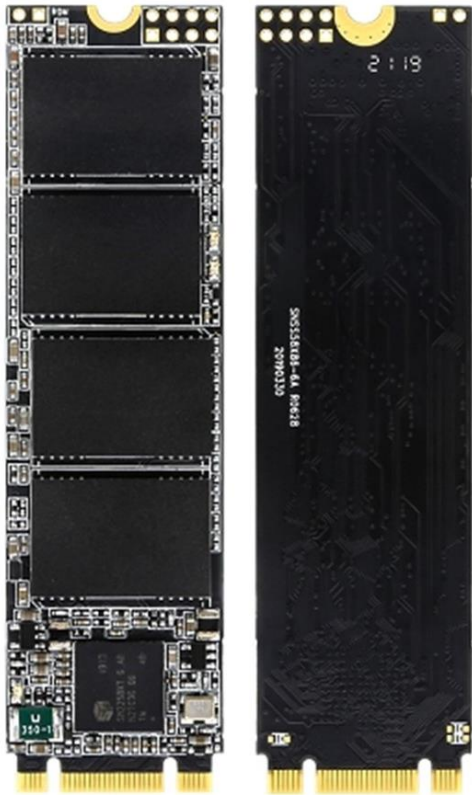# M.2-2280-SATA
M.2 SATA Solid State Drive

ionn

Features
- 80mm M.2 (80mm SATA B Key)
- Reliable TLC NAND type flash
- Electrically fully complied with the SATA -II/SATA -III standards
- Complied with the slot B primary key SSD SATA pin out
- Modules with the "B" and "M" key for ultimate performance SSD or cache
- Data retention: JESD47 compliant
- S.M.A.R.T. command transport (SCT) technology
- Enhanced endurance by dynamic/static wear-leveling
- Hardware LDPC ECC engine
- Data integrity under power-cycling
- Spec meet Next Generation Form Factor

IONN M.2 SATA SSD which adopts SM2259XT2 SSD controller and Micron B47R 3D NAND Flash. It is designed as the standard M.2 2280 form factor with SATA interface, compliant with SATA III protocol providing excellent performance. Except for the mechanical interference, the M.2 SATA SSD can replace the traditional SATA hard disks to make your personal computer smaller and slim. The M.2 SATA SSD is capable of maximum capacity up to 1TB, delivers high performance and has low power consumption. So, it can effectively reduce the booting time of the operation system and the power consumption. It is ideal to be used for a boot device or data storage device.

Specifications

Interface	SATA 6.0Gbps (SATA-III) or SATA 3.0Gbps (SATA-II) or SATA 1.5Gbps (SATA-I)
Operating Voltage	3.3V +/-5%
Operating System	Supported by all operating systems
Operating Temperature	Commercial Grade: 0°C to +70°C Storage Temperature: -45°C to +95°C
Humidity	5% to ~98% RH (Non-condensing)
Operating Shock	1500G at 0.5ms
Operating Vibration	15G(7 to 2000Hz)
Dimensions	80(L) x 22(W) x 2.05(H) mm
Weight	7g
Installation Requirements	System Hardware which supports SATA -II/SATA -III standards System Hardware includes SATA socket or transfer board

*All product specifications and product images are subject to change without notice.