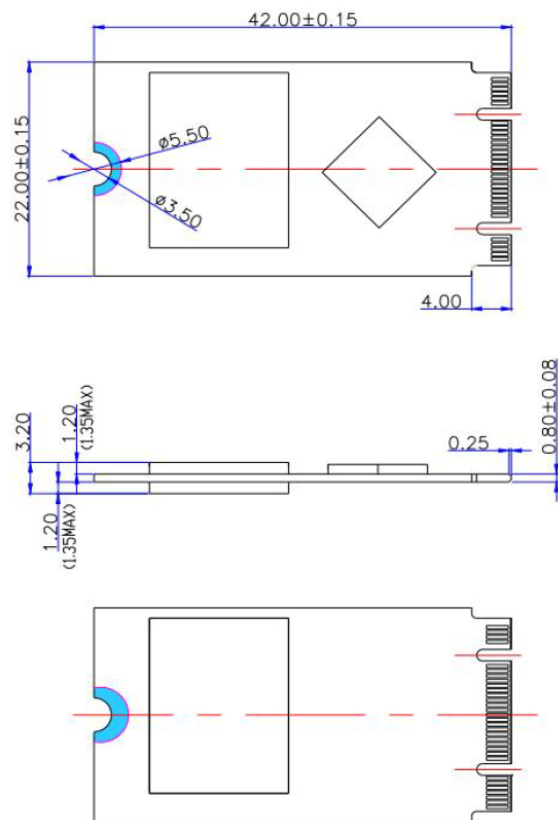


# M.2-2242-SATA

## M.2 42mm SATA SSD



### Features

- Form Factor: 22mm\*42mm M.2 SATA
- Micron B47R TLC NAND type flash built in
- HIPM/DIPM/Device Sleep (Optional)
- 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 (NGFF -xx-B-M)

IONN M.2 SATA-III 2242 SSD which adopts MAS1102 SSD controller and Micron B47R 3D TLC NAND Flash is designed as the standard M.2 2242 form factor with SATA interface, and compliant with SATA III protocol providing excellent performance. Except for mechanical interference, the M.2 SATA-III 2242 SSD can replace the traditional SATA hard disks and make your personal computer smaller and slim. The IONN M.2 SATA-III 2242 SSD is capable of capacity up to 1TB, also delivers high performance and low power consumption. Accordingly, it can effectively reduce the booting time of an operation system and the power consumption. So, it is an ideal unit to use 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	42(L) x 22(W) x 3.2(H) mm
Weight	3.6g
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.