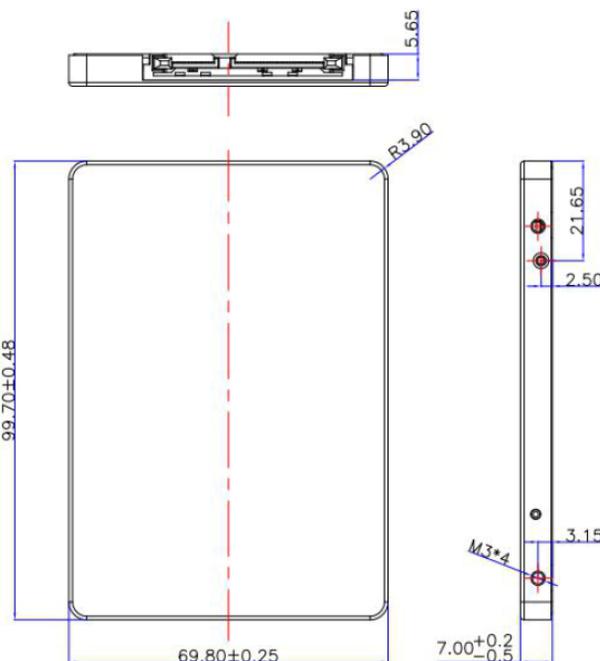# 2.5" SSD
Industrial Solid State Drive

ionn

IONN 2.5" SATA SSD which adopts the SM2259XT2 SSD controller and Micron B47R 3D TLC NAND Flash. It supports LDPC ECC and RAID ECC function which ensures full End-to-End data path protection that secures the data transmission between host system and NAND Flash. The 2.5" SATA SSD is capable of 128GB to 1TB capacity. Its fully compliant with SATA 3.0 protocol, delivers stable and outstanding performance but low power consumption. With it effectively reduces the booting time of the operation system and the power consumption is less than with a hard disk drive (HDD), the SSD is optimal for PC's boot drive and embedded system's storage.

Features

- Supports 1-port 1.5/3.0/6.0Gbps SATA I/II/III interface.
- SMART feature set and 48-bit Address feature set
- Full SATA hard disk compatible
- Ultra-rugged and reliable
- High-speed performance
- Silent, no moving parts
- Data retention: JESD47 compliant
- Proprietary wear leveling algorithms

Specifications

Interface	SATA 6.0Gbps (SATA-III) or SATA 3.0Gbps (SATA-II) or SATA 1.5Gbps (SATA-I)
Operating Voltage	5.0V +/-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)
Operating Altitude	120,000ft
Dimensions	99.7 (L) x 69.8 (W) x 7 (H)mm
Installation Requirements	System Hardware which supports SATA -II/SATA -III standards System Hardware includes SATA socket or adapter board

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