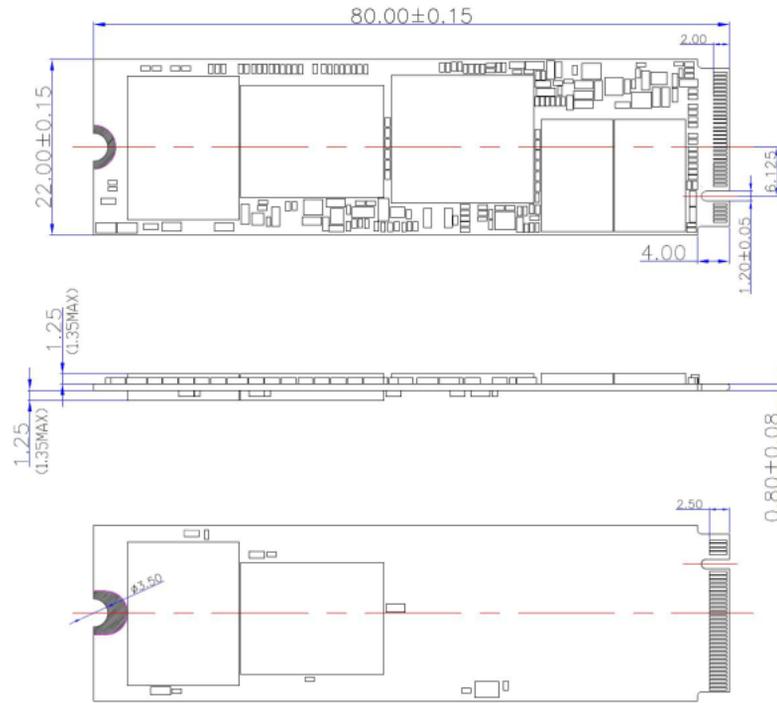
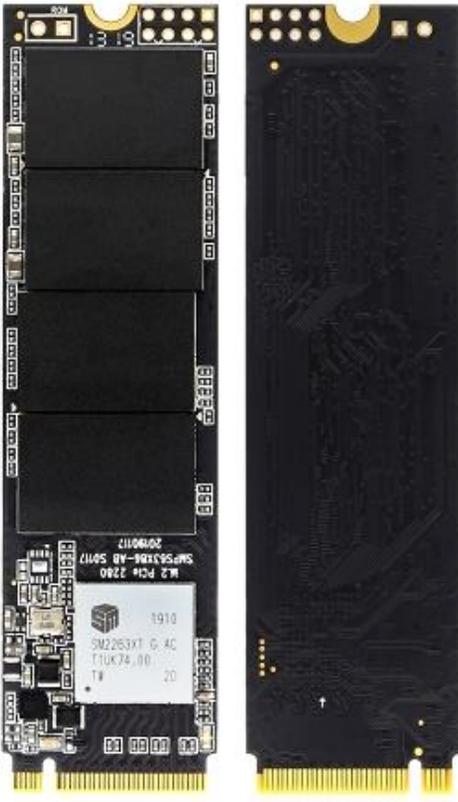


# M.2-2280-NVME

## M.2 NVME Solid State Drive



## Features

- ASPM L1 Support
- PCI Express Gen3: Single port X4 lanes
- Compliant with PCI Express Base Specification Rev. 3.1
- Compliant with NVM Express Specification Rev.1.3
- Static and Dynamic Wear Leveling and Bad Block Management
- Support up to queue depth 64K
- Max. ECC of 2KB LDPC + RAID
- TLC NAND type flash built-in: Micron B17A TLC NAND Flash
- Support SMART and TRIM commands

IONN M.2 NVME SSD adopted the SM2262AB controller and Micron B17A which is a NVM Express SSD designed as the standard M.2 2280 form factor with PCIe interface. It supports PCIe Gen 3x4, and its compliant with NVM 1.3 protocol providing excellent performance. With sophisticated error detection and correction (LDPC ECC) functions, the IONN PCIe SSD can ensure full End-to-End data path protection that secures the data transmission between host system and NAND Flash. Additionally, the IONN SSD has a heat-spreading design that dissipate heat generating from IC making the SSD perform steadier. This SSD provides an outstanding sustained transfer rate and high IOPS, capable of maximum capacity up to 2TB, making the SSD optimal for heavy data workload applications.

## Specifications

<b>Interface</b>	Socket 3 (M key)
<b>Operating Voltage</b>	3.3V +/-5%
<b>Operating System</b>	Supported by all operating systems
<b>Operating Temperature</b>	Commercial Grade: 0°C to +70°C Storage Temperature: -45°C to +95°C
<b>Humidity</b>	5% to ~98% RH (Non-condensing)
<b>Operating Shock</b>	1500G at 0.5ms
<b>Operating Vibration</b>	15G(7 to 2000Hz)
<b>Dimensions</b>	80(L) x 22(W) x 3.3(H) mm
<b>Weight</b>	7.5g
<b>Installation Requirements</b>	System Hardware which supports Socket 3 (M key) standards. System Hardware includes M.2 socket or transfer board

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