

2.5" SATA III SSD



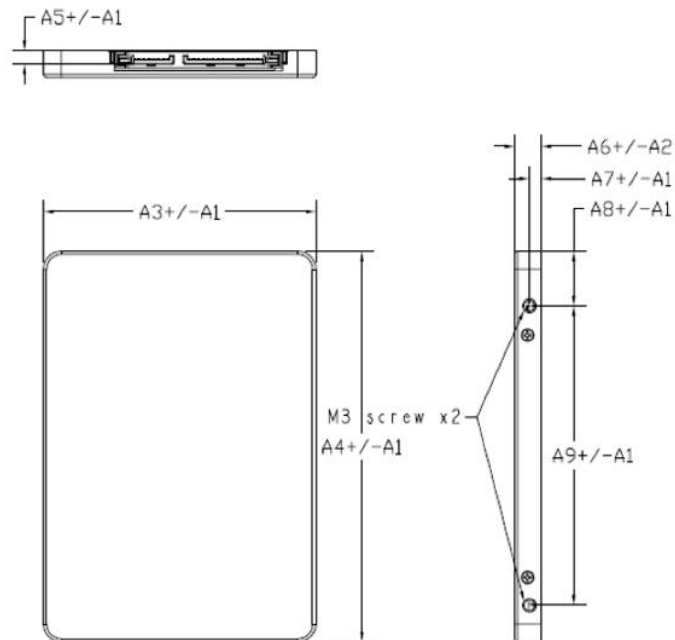
SSD450K

With the combination of larger storage capacity and lower production costs, Transcend's 3D TLC SSDs are the game-changer to the market, delivering endurance equivalent to what MLC-based solutions once prided themselves with. Featuring a SATA III 6Gb/s interface and utilizing 3D NAND flash, the SSD450K is the ideal high-speed, lightweight, and shockproof replacement for traditional rotating hard drives, all while being extra cost-effective and brought to you at an attractive price. The Transcend SSD450K is built with DRAM cache for reliable speeds, outstanding cache performance and customized functions to cater to the requirements of various embedded applications.

Features

- Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
- DDR3 DRAM Cache embedded
- Built-in LDPC ECC (Error Correction Code) functionality
- Enhanced S.M.A.R.T. function
- Supports DEVSLP mode (optional)
- RoHS compliant
- Shock resistance
- Slim, elegant, and lightweight aluminum design
- Non-volatile Flash Memory for outstanding data retention
- Supports Trim and NCQ command

Specifications



Interface (connector)	SATA III 6Gb/s, 22P
Form Factor	2.5"
Flash Type	3D TLC
Capacity(GB)	64GB / 128GB / 256GB
Max. Performance (Vary by density)	Read: 550MB/s; Write: 520MB/s
Op. Voltage(V)	5V±5%
Power Consumption (W)	2.26W (Active), 0.42W (Idle)
Op. Temp.(°C)	0°C~70°C
Storage Temp.(°C)	-40°C~85°C
Humidity(%)	5%~95%

Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios.

For special applications and environments, it is strongly suggested to contact Transcend beforehand for clarification.