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Ultimate SU650 3D NAND SSD

The Ultimate SU650 solid state drive implements 3D NAND Flash and a high speed controller, offering capacities up to 2TB. It delivers read/write performance up to 520/450MB/s and greater reliability than 2D NAND SSDs. The SU650 features SLC caching and advanced error correction technologies to ensure optimized data performance and integrity. For those who want to experience a clear PC upgrade, the SU650 is an excellent choice with a great cost-performance ratio.

Features

- 3D NAND Flash for higher durability and capacity
- Wide capacity range: 240GB to 2TB
- SLC caching: enhances transmission speed
- Advanced error correction
- Tougher, quieter, and more reliable than HDDs
- Supports ADATA proprietary software – "SSD Toolbox" and "Migration Utility"

Ordering Information

Capacity	Model Number	EAN Code
240GB	ASU650SS-240GT-R	4713218461162
256GB	ASU650SS-256GT-R	4711085931511
480GB	ASU650SS-480GT-R	4713218461179
512GB	ASU650SS-512GT-R	4711085931528
960GB	ASU650SS-960GT-R	4713218461186
1TB	ASU650SS-1TT-R	4711085940049
2TB	ASU650SS-2TT-R	4711085945884



Specification

- Capacity: 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB
- NAND Flash: 3D NAND
- Interface: SATA 6Gb/s (SATA III)
- Form factor: 2.5”
- MTBF: 2,000,000 hours
- Sequential read/write (Max.): R/W 520/450MB/s
- Error correction: ECC
- Terabytes Written (TBW)(Max. capacity): 1120TB
- Dimensions (L x W x H): 100.45 x 69.85 x 7mm
- Weight: 50.8g / 1.79oz
- Operating temperature: 0°C-70°C
- Storage temperature: -40°C-85°C
- Shock resistance: 1500G/0.5ms
- Warranty: 3-year limited warranty
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, VCCI

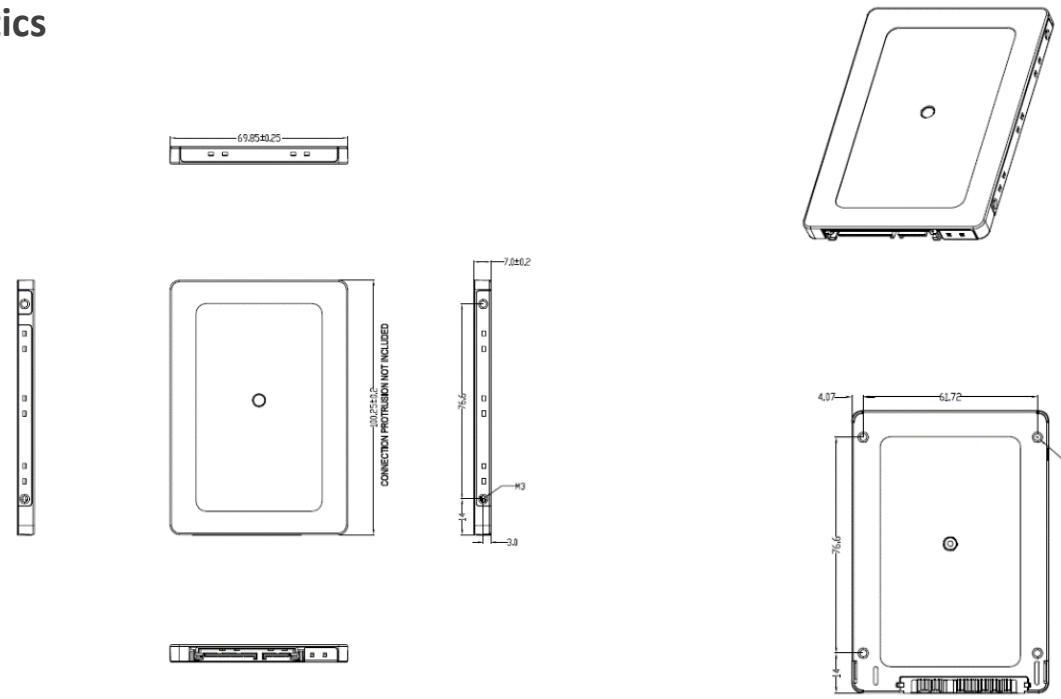
Performance

Capacity	Sequential Performance (Up to)[1]		TBW[2]
	Read (MB/s)	Write (MB/s)	
240GB	520	450	140TB
256GB	520	450	140TB
480GB	520	450	280TB
512GB	520	450	280TB
960GB	520	450	560TB
1TB	520	450	560TB
2TB	520	450	1120TB

[1]Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

[2]The value is the minimum amount of terabyte written that could be reached.

Schematics



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