

ULTIMATE SU655 SOLID STATE DRIVE

**FIRST SSD?
GREAT TIMING!**



Ultimate SU655 3D NAND SSD

The Ultimate SU655 solid state drive implements 3D NAND Flash and a high speed controller, offering capacities up to 960GB. It delivers read/write performance up to 520/450MB/s and greater reliability than 2D NAND SSDs. The SU655 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 SU655 is an excellent choice with a great cost-performance ratio.

Features

- 3D NAND Flash for higher durability and capacity
- SLC caching: enhances transmission speed
- Wide capacity range: 120GB to 960GB
- 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
120GB	ASU655SS-120GT-C	4713218465139
240GB	ASU655SS-240GT-C	4713218469687
480GB	ASU655SS-240GT-C	4713218465269
960GB	ASU655SS-960GT-C	4713218465276

Capacity	Model Number	EAN Code
256GB	ASU655SS-256GT-C	4711085940513
512GB	ASU655SS-512GT-C	4711085940520

Specifications

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- Capacity: 120GB / 240GB / 256GB / 480GB / 512GB / 960GB
- NAND Flash: 3D NAND
- Interface: SATA 6Gb/s (SATA III)
- Form factor: 2.5"
- Sequential read/write (Max.):
Read 520MB/s ; write 450MB/s
- 4K random read/write IOPS (Max.): 40K/75K
- Shock resistance: 1500G/0.5ms
- Dimensions (L x W x H): 100.45 x 69.85 x 7mm
- Weight: 47.5g
- Operating temperature: 0°C-70°C
- Storage temperature: -40°C-85°C
- MTBF: 2,000,000 hours
- Terabytes Written (TBW)(Max. capacity): 560TB
- Error correction: ECC
- Warranty: 3-year limited warranty
- Certifications: CE, FCC, BSMI, VCCI, RCM, morocco, KC, EAC, RoHS

Performance

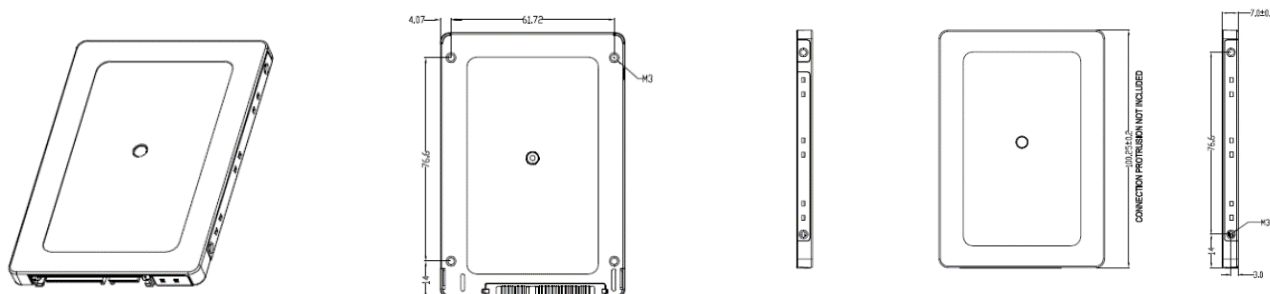
Capacity	Sequential Performance (Up to) ¹		4K Random (Up to) ¹		TBW ²
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
120GB	520	320	20K	75K	70TB
240GB	520	450	40K	75K	140TB
480GB	520	450	40K	75K	280TB
960GB	520	450	40K	75K	560TB

Capacity	Sequential Performance (Up to) ¹		4K Random (Up to) ¹		TBW ²
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
256GB	520	450	40K	75K	140TB
512GB	520	450	40K	75K	280TB

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

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

Schematics



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