

ULTIMATE SU680 SSD

**FIRST SSD?
GREAT TIMING!**



Ultimate SU680 3D NAND SSD

The Ultimate SU680 solid state drive implements 3D NAND Flash and a high speed controller, offering capacities up to 1TB. It delivers read/write performance up to 520/450MB/s and greater reliability than 2D NAND SSDs. The SU680 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 SU680 is an excellent choice with a great cost-performance ratio.

Features

- 3D NAND Flash for higher durability and capacity
- Wide capacity range: 120GB to 1TB
- 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
120GB	AULT-SU680-120GR	4711085939845
240GB	AULT-SU680-240GR	4711085939852
480GB	AULT-SU680-480GR	4711085939876
960GB	AULT-SU680-960GR	4711085939890
1TB	AULT-SU680-1TR	4711085943057

Capacity	Model Number	EAN Code
256GB	AULT-SU680-256GR	4711085939869
512GB	AULT-SU680-512GR	4711085939883



Specification

- Capacity: 120GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB
 - 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
 - 4K random read/write IOPS (Max.): 40K/75K
 - Error correction: ECC
- Terabytes Written (TBW)(Max. capacity): 600TB
 - Dimensions (L x W x H): 100.45 x 69.85 x 7mm
 - Weight: 47.5g / 1.67oz
 - 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, RoHS

Performance

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

Capacity	Sequential Performance (Up to) ¹		4K Random (Up to) ¹		TBW ²
	Seq. Read (MB/s)	Seq. Write (MB/s)	Read (IOPS)	Write (IOPS)	
256GB	520	450	40K	75K	140
512GB	520	450	40K	75K	280
1TB	520	450	40K	65K	600

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

