

# ADATA Ultimate SU700 3D NAND SSD

The Ultimate SU700 solid state drive implements 3D NAND Flash and a Maxiotek controller, offering capacities up to 960GB, high read/write performance of up to 560/520MB/s and greater reliability than 2D SSDs. It's equipped with exclusive features, including WriteBooster SLC caching, Agile ECC, VPR (virtual parity recovery), and Frequency Control to ensure optimized data transfer and longer lifespan. For those who want to experience a clear PC upgrade, the SU700 definitely is an excellent choice with a great cost-performance ratio.



## Features

- 3D NAND Flash for higher durability and capacity
- WriteBooster: enhances transmission speed
- Wide capacity range: 120GB to 960GB
- Agile ECC (Error Correction Code) Technology
- V.P.R. (Virtual Parity Recovery) technology
- Frequency Control for system stability
- AES 256-bit encryption for data protection
- Suitable for desktops and notebooks

## Ordering Information

Capacity	Model Number	EAN Code
120GB	ASU700SS-120GT-C	4712366967205
240GB	ASU700SS-240GT-C	4712366967212
480GB	ASU700SS-480GT-C	4712366967229
960GB	ASU700SS-960GT-C	4712366967236

## Specifications

- Capacities: 120GB / 240GB / 480GB / 960GB
- Controller: Maxiotek
- NAND Flash memory: 3D NAND
- Interface: SATA 6Gb/s (SATA III)
- Form factor: 2.5"
- MTBF: 2,000,000 hours
- 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
- Shock resistance: 1500G/0.5ms
- Error correction: Agile ECC
- Certifications: RoHS, CE, FCC, BSMI, VCCI, KC
- Warranty: 3 years



## Performance

Capacity	ATTO		CDM-QD32T1		AS SSD		CDM-Random 4K QD32T1		TBW
	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	
<b>120GB</b>	Up to 560	Up to 320	Up to 550	Up to 320	Up to 500	Up to 300	30K	70K	70TB
<b>240GB</b>	Up to 560	Up to 520	Up to 550	Up to 480	Up to 500	Up to 470	60K	80K	140TB
<b>480GB</b>	Up to 560	Up to 520	Up to 550	Up to 490	Up to 500	Up to 480	80K	80K	280TB

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

## Schematics

