

# 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 |
| <b>960GB</b> | Up to 560        | Up to 520         | Up to 540        | Up to 480         | Up to 490        | Up to 470         | 80K                  | 80K               | 560TB |

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

## Schematics

