



## ADATA SU650 1 TB 2.5" Serial ATA III 3D NAND

**Brand :** ADATA

**Product code:** ASU650SS-1TT-R

**Product name :** SU650

- 3D NAND Flash for higher durability and capacity
  - SLC caching: enhances transmission speed
  - Wide capacity range: 60GB to 1.92TB
  - Advanced error correction
  - Tougher, quieter, and more reliable than HDDs
  - Supports ADATA proprietary software "SSD Toolbox" and "Migration Utility"
- 1 TB, 2.5", 3D NAND, 100.45 x 69.85 x 7 mm, 59.5 g

### ADATA SU650 1 TB 2.5" Serial ATA III 3D NAND:

The Ultimate SU650 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 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.

ADATA SU650. SSD capacity: 1 TB, SSD form factor: 2.5", Read speed: 520 MB/s, Write speed: 450 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC



### Features

|                       |                |
|-----------------------|----------------|
| SSD capacity *        | 1 TB           |
| SSD form factor *     | 2.5"           |
| Interface *           | Serial ATA III |
| NVMe *                | ✗              |
| Memory type *         | 3D NAND        |
| Component for *       | PC             |
| Hardware encryption * | ✓              |
| Data transfer rate    | 6 Gbit/s       |
| Read speed            | 520 MB/s       |
| Write speed           | 450 MB/s       |
| Random read (4KB)     | 40000 IOPS     |
| Random write (4KB)    | 75000 IOPS     |
| ECC                   | ✓              |

### Features

|                                   |           |
|-----------------------------------|-----------|
| Mean time between failures (MTBF) | 2000000 h |
| TBW rating                        | 600       |

### Weight & dimensions

|        |          |
|--------|----------|
| Width  | 100.5 mm |
| Depth  | 69.8 mm  |
| Height | 7 mm     |
| Weight | 59.5 g   |

### Packaging data

|              |         |
|--------------|---------|
| Package type | Blister |
|--------------|---------|

### Operational conditions

|                             |             |
|-----------------------------|-------------|
| Operating temperature (T-T) | 0 - 70 °C   |
| Storage temperature (T-T)   | -40 - 85 °C |
| Operating shock             | 1500 G      |



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### Catalog Object Cloud



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