

SU650 Solid State Drive

**FIRST SSD?
GREAT TIMING!**



Ultimate SU650 3D NAND SSD

The Ultimate SU650 solid state drive implements 3D NAND Flash and a high speed controller, offering capacities up to 2TB. 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.

Features

- 3D NAND Flash for higher durability and capacity
- Wide capacity range: 120GB to 2TB
- 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 | ASU650SS-120GT-R | 4713218461155 |
| 240GB | ASU650SS-240GT-R | 4713218461162 |
| 256GB | ASU650SS-256GT-R | 4711085931511 |
| 480GB | ASU650SS-480GT-R | 4713218461179 |
| 512GB | ASU650SS-512GT-R | 4711085931528 |
| 960GB | ASU650SS-960GT-R | 4713218461186 |
| 1TB | ASU650SS-1TT-R | 4711085940049 |
| 2TB | ASU650SS-2TT-R | 4711085945884 |



Specification

- Capacity: 120GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB
- 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
- Error correction: ECC
- Terabytes Written (TBW)(Max. capacity): 1120TB
- Dimensions (L x W x H): 100.45 x 69.85 x 7mm
- Weight: 50.8g / 1.79oz
- 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, UKCA, VCCI

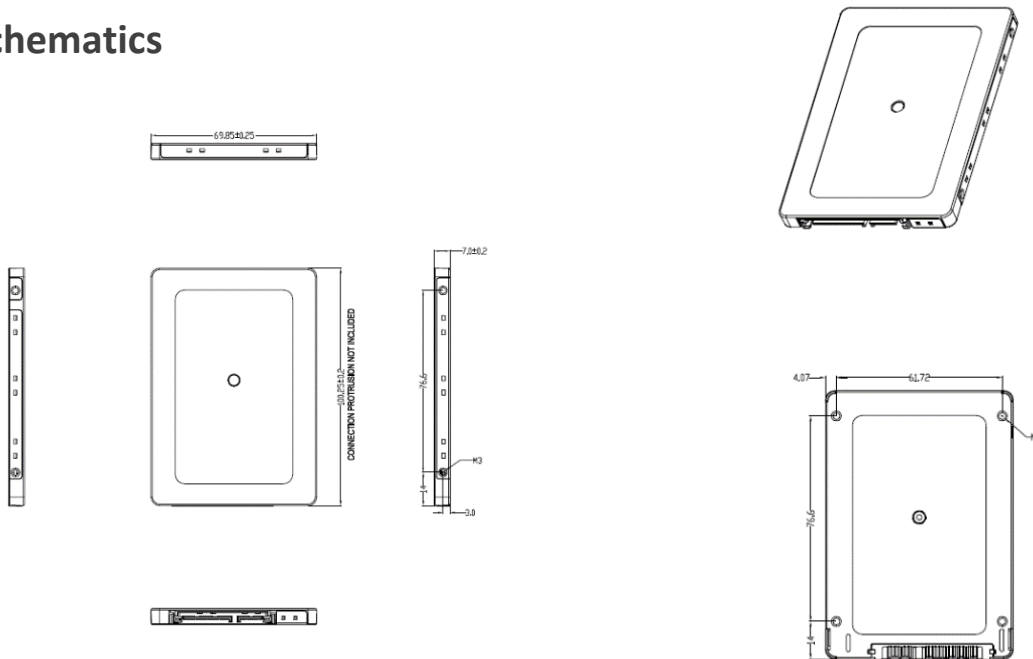
Performance

| Capacity | Sequential Performance (Up to) ¹ | | TBW ² |
|----------|---|--------------|------------------|
| | Read (MB/s) | Write (MB/s) | |
| 120GB | 520 | 320 | 70TB |
| 240GB | 520 | 450 | 140TB |
| 256GB | 520 | 450 | 140TB |
| 480GB | 520 | 450 | 280TB |
| 512GB | 520 | 450 | 280TB |
| 960GB | 520 | 450 | 560TB |
| 1TB | 520 | 450 | 560TB |
| 2TB | 520 | 450 | 1120TB |

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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WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

MSIP-REM-A99-ASU650 RoHS