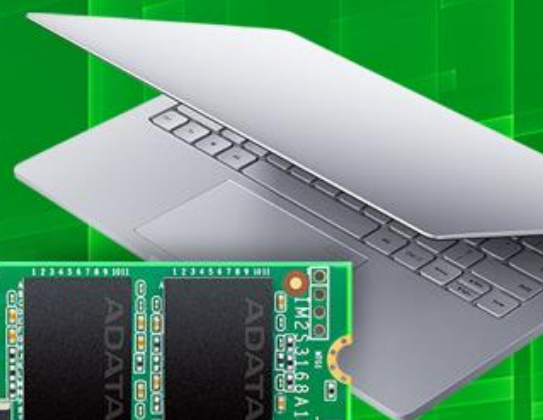


Ultimate SU650 M.2 2280 Solid State Drive

**AN UPGRADE
YOU CAN'T
REFUSE**



Ultimate SU650 M.2 2280 3D NAND SSD

The ADATA Ultimate SU650 M.2 2280 SSD features 3D NAND Flash, a high-speed controller, and up to 1TB capacity. It delivers read/write performance of up to 550/510MB/s and greater reliability than 2D NAND SSDs. The SU650 sports SLC caching and advanced LDPC ECC technology to ensure optimized performance and data integrity.

Features

- 3D NAND Flash for higher durability and capacity
- SLC Caching: enhances transmission speed
- Suitable for desktops and notebooks
- Supports S.M.A.R.T., TRIM Command and NCQ
- Advanced LDPC ECC Technology
- Free software: SSD Toolbox

Ordering Information

Capacity	Model Number	EAN Code
256GB	ASU650NS38-256GT-C	4711085936004
512GB	ASU650NS38-512GT-C	4711085936011
1TB	ASU650NS38-1TT-C	4711085936028



Specifications

- Capacity: 256GB / 512GB / 1TB
 - NAND Flash: 3D NAND
 - Form Factor: M.2 2280
 - Interface: SATA 6Gb/s (SATA III)
 - Sequential read/write (Max.):
Read 550MB/s, write 510MB/s
 - Terabytes Written (TBW)(Max. capacity): 420TB
 - MTBF: 2,000,000 hours
- Weight: 7g / 0.24oz
 - Dimensions (L x W x H): 80 x 22 x 3.5mm
 - Operating Temperature: 0°C-70°C
 - Shock Resistance: 1500G/0.5ms
 - Error Correction: LDPC ECC
 - Warranty: 3-year limited warranty
 - Certifications: RoHS, CE, FCC, BSMI, VCCI, KC, UKCA, Morocco, RCM, EAC

Performance

Capacity	Sequential Performance (Up to) ¹		TBW ²
	Read (MB/s)	Write (MB/s)	
256GB	550	500	140TB
512GB	550	510	210TB
1TB	550	510	420TB

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

