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 480GB 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
- Advanced LDPC ECC Technology
- Free software: SSD Toolbox and Migration Utility
- Suitable for desktops and notebooks
- Supports S.M.A.R.T., TRIM Command and NCQ

Ordering Information

Capacity	Model Number	EAN Code
120GB	ASU650NS38-120GT-C	4710273772370
240GB	ASU650NS38-240GT-C	4710273772387
480GB	ASU650NS38-480GT-C	4710273772394

Specifications

- Capacity: 120GB / 240GB / 480GB
- NAND Flash: 3D NAND
- Interface: SATA 6Gb/s (SATA III)
- Form Factor: M.2 2280
- MTBF: 2,000,000 hours
- Dimensions (L x W x H): 80 x 22 x 3.5mm

- Weight: 7g
- Operating Temperature: 0°C-70°C
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms
- Error Correction: LDPC ECC
- Warranty: 3-year limited warranty

Performance

Capacity	ATTO		CDM-QD32		AS SSD		CDM-Random 4K		
	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Read (IOPS)	Write (IOPS)	TBW
120GB	550	410	550	410	520	380	60K	40K	70TB
240GB	550	500	550	500	520	460	80K	60K	140TB
480GB	550	510	550	510	520	480	80K	60K	210TB

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

Schematics