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Ultimate SU650 3D NAND SSD

The Ultimate SU650 solid state drive implements 3D NAND Flash and a high speed controller, offering capacities up to 480GB. 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
- SLC caching: enhances transmission speed
- Wide capacity range: 120GB to 480GB
- Advanced error correction
- Tougher, quieter, and more reliable than HDDs
- Supports ADATA proprietary software - SSD Toolbox and Migration Utility
- Suitable for desktops and notebooks

Ordering Information

Capacity	Model Number	EAN Code
120GB	ASU650SS-120GT-C	4713218463098
240GB	ASU650SS-240GT-C	4713218463104
480GB	ASU650SS-480GT-C	4713218463111

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Features

- Capacity: 120GB / 240GB / 480GB
- NAND Flash: 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: ECC
- 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)	
120GB	Up to 520	Up to 320	Up to 520	Up to 320	Up to 500	Up to 300	20K	75K	70TB
240GB	Up to 520	Up to 450	Up to 520	Up to 450	Up to 500	Up to 430	40K	75K	140TB
480GB	Up to 520	Up to 450	Up to 520	Up to 450	Up to 500	Up to 440	40K	75K	280TB

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

Schematics