

HD-AN480SU650

Adata Ultimate SU650 480Gb 2.5" SATA3(6Gb/s) Solid State Drive

Product Overview

Adata Ultimate SU650 480Gb 2.5" SATA3(6Gb/s) SSD, 3D-TLC - 3Gb SLC 256mb DDR3 caching, with AES-256 security Agile ECC VPR (Virtual Parity Recovery) technology, compressible data (ATTo) read/write: 520/320mb/sec, incompressible data (AS-SSD) read/write: 520/450mb/sec, Random Read/Write 4K: 40000/75000 ioPS, with BGC (Background Garbage Collection) - 2 millions MTBF with with 210TBW



Specifications

Overview:

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 in an easy PC upgrade

With 3D NAND Flash, the SU650 features higher efficiency and increased reliability compared to 2D NAND SSDs with an improved cost-performance ratio.

Faster performance

The intelligent SLC caching algorithm allows NAND Flash memory to operate in single-level cell mode and boosts performance, helping sustain peak SU650 read/write speeds up to 520/450MB per second for smoother and faster boot, file transfers, and downloads.

Advanced error correction code

With the support for ECC (error correction code) technology, the SU650 can detect and fix errors to ensure data integrity and help to extend SSD lifespan. Its MTBF (mean time between failures) is up to 2 million hours, or 25% more than 2D NAND SSDs.

Tougher , quieter , and more reliable

There's no mechanical component inside SSDs, so they outperform traditional HDDs with higher resistance to shock, vibration (1500G/0.5ms) and extreme temperatures (0 degreesC-70 degreesC). They are also completely silent and consume very little

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power, all while better protecting your data.

Proprietary software - SSD Toolbox and Migration Utility

Every SU650 purchase qualifies for free downloads of ADATA SSD Toolbox and Migration Utility. SSD Toolbox allows users to monitor and manage the SU650, with drive status, wear level, and lifespan information. The Migration Utility is especially helpful for users making the move from HDD to SSD, as it is designed for simple and quick backup and migration of the contents of entire drives, including the operating system.

For notebooks and desktops

Just 7mm thick, the SU650 is an easy fit in ultrabooks. A 2.5mm spacer is bundled for use in 9.5mm drive bays, allowing compatibility with virtually every notebook, desktop, and console.

Specifications:

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Specifications	
Product Code	HD-AN480SU650
Capacity	120GB / 240GB /480GB
Form Factor	2.5"
NAND Flash	3D NAND
Dimensions (L x W x H)	100.45 x 69.85 x 7mm
Weight	47.5g
Interface	SATA 6Gb/s
Sequential R/W performance (max)	Up to 520 / 450MB/s
	*Actual performance may vary due to available SSD capacity, system hardware and software components, and other factors
Operating temperature	0 degreesC - 70 degreesC
Storage temperature	-40 degreesC - 85 degreesC
Shock resistance	1500G / 0.5ms
MTBF	2,000,000 hours

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/HD-AN480SU650-Adata-Ultimate-SU650-480Gb-2-5-SATA3-Buy-p-178825.php>

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