ComX Computers
Product Specification Sheet

ASU650SS-2TT-R

Adata Ultimate SU650 2TB 2.5" SATA 6Gb/s Solid State Drive

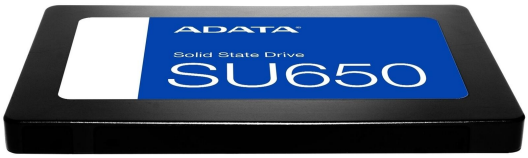
Product Overview

Adata Ultimate SU650 2TB 2.5" SATA 6Gb/s Solid State Drive, 3D NAND Flash, Up to 520MB/s Sequential read (Max), Up to 450MB/s Sequential write (Max), 1120TB Terabytes written (TBW)











Specifications

Overview Summary:

Upgrade your PC or laptop with the Adata Ultimate SU650 2TB SATA SSD, designed for fast and reliable storage. With 3D NAND technology and sequential read/write speeds up to 520/450MB/s, you can enjoy faster boot times, smoother file transfers, and improved overall system performance. Shop now and experience efficient, long-lasting storage.

Ideal for both desktop and laptop users, this SSD is energy-efficient, shock-resistant, and silent in operation. With ADATA SSD Toolbox and Migration Utility included, upgrading from an older HDD has never been easier. Buy now to enhance your system's speed and reliability.

Performance tier: High-performance

Uses: Desktop upgrades, laptop storage, OS installation, file transfers, gaming, multimedia projects

Overview:

Adata Ultimate SU650 2TB 2.5" SATA SSD
Upgrade your system with the Adata Ultimate SU650 2TB 2.5" SATA SSD, a high-performance storage solution designed to deliver faster boot times, smoother file transfers, and improved reliability over traditional hard drives. With 3D NAND Flash technology and intelligent caching, the SU650 provides efficient data storage with long-lasting durability, making it an excellent choice for users looking for a cost-effective PC upgrade.

Description:

The Ultimate SU650 combines high-speed read/write performance of up to 520/450MB/s with advanced error correction and 3D NAND technology for improved reliability. Its shock-resistant design, low power consumption, and silent operation make it ideal for desktop and laptop upgrades. Additionally, it comes with ADATA SSD Toolbox and Migration Utility software, simplifying drive management and data migration from older HDDs.

Features:

Reliable 3D NAND Storage
Built with 3D NAND Flash, the SU650 offers better efficiency, increased durability, and higher reliability compared to conventional 2D NAND SSDs. This technology ensures your data is stored securely while maintaining an excellent cost-performance ratio for your system upgrade.

Boosted Speed with Intelligent Caching
The SU650 uses an SLC caching algorithm that allows the NAND Flash to operate in single-level cell mode, enhancing read/write speeds. Enjoy peak performance of up to 520MB/s read and 450MB/s write for faster boot times, smoother application launches, and quick file transfers.

Advanced Error Detection and Correction
Equipped with ECC (Error Correction Code) technology, the SU650 detects and fixes errors automatically, protecting your data and extending the SSD's lifespan. With a mean time between failures (MTBF) of up to 2 million hours, it outperforms many standard 2D NAND drives.

Durable, Quiet, and Energy-Efficient
Unlike traditional hard drives, the SU650 has no moving parts, making it resistant to shock, vibration (1500G/0.5ms), and extreme temperatures (0degreesC-70degrees C). Its silent operation and low power consumption provide reliable storage

without added noise or heat.

Comprehensive Software Support
Every SU650 comes with ADATA SSD Toolbox and Migration Utility. The SSD Toolbox allows you to monitor drive health, wear level, and lifespan, while the Migration Utility makes it simple to transfer data from an old HDD, including your operating system, to your new SSD.

Stay Updated and Monitor Performance
With SSD Toolbox, you can keep your firmware up-to-date, check the drive's operating temperature, capacity, and total space used, ensuring optimal performance and peace of mind for long-term use.

Key Specifications

- Capacity: 2TB
- Interface: 2.5" SATA 6Gb/s
- Maximum Sequential Read: 520MB/s
- Maximum Sequential Write: 450MB/s
- Total Terabytes Written (TBW): 1120TB

Specifications:

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Specifications	
Product Code	ASU650SS-2TT-R
Capacity	240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB
Form Factor	2.5"
NAND Flash	3D NAND
Dimensions (L x W x H)	100.45 x 69.85 x 7mm / 3.95 x 2.75 x 0.27inch
Weight	50.8g / 1.79oz
Interface	SATA 6Gb/s
Sequential Read (Max*)	Up to 520MB/s
Sequential Write (Max*)	Up to 450MB/s
Operating Temperature	0degreesC - 70degreesC
Storage Temperature	-40degreesC - 85degreesC
Shock Resistance	1500G / 0.5ms
MTBF	2,000,000 hours
Terabytes Written (TBW)(Max Capacity*)	1120TB
Remark	1. Actual performance may vary due to available SSD capacity, system hardware and software components, and other factors.
	2. The SSD is based on the or Warranty period.
	3. Visit for more details.

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/ASU650SS-2TT-R-Adata-Ultimate-SU650-2TB-2-5-SATA-6Gb-s-Solid-State-Drive-p-329305.php

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