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# Ultimate SU630 3D NAND SSD

If you're looking to replace that HDD of yours with an SSD, look no further than the ADATA SU630. The SSD is built with next-generation QLC 3D NAND Flash to offer amazing value and great performance. It also comes with excellent features such as LDPC ECC technology.

#### **Features**

- 3D QLC NAND Flash for higher affordability
- Big capacity up to 3.84TB
- Advanced hardware LDPC ECC technology
- Supports SLC Caching for improved performance
- Free software: SSD Toolbox and Migration Utility
- Supports S.M.A.R.T., TRIM Command, and NCQ

#### **Ordering Information**

| Capacity | Model Number     | EAN Code      |  |  |  |
|----------|------------------|---------------|--|--|--|
| 240GB    | ASU630SS-240GQ-R | 4713218469175 |  |  |  |
| 480GB    | ASU630SS-480GQ-R | 4713218469182 |  |  |  |
| 960GB    | ASU630SS-960GQ-R | 4713218469199 |  |  |  |
| 1.92TB   | ASU630SS-1T92Q-R | 4710273773551 |  |  |  |
| 3.84TB   | ASU630SS-3T84Q-R | 4710273774169 |  |  |  |

### **Specifications**

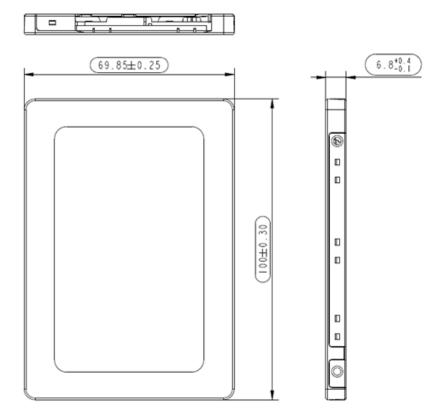
- Capacity: 240GB/ 480GB / 960GB / 1.92TB / 3.84TB
- NAND Flash: 3D QLC
- Interface: SATA 6Gb/s (SATA III)
- Form Factor: 2.5"
- Dimensions (L x W x H): 100.45 x 69.85 x 7mm
- Weight: 47.5g

- Operating Temperature: 0°C-70°C
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms
- MTBF: 1,500,000 hours
- Certifications: RoHS, CE, FCC, BSMI, VCCI, KC
- Warranty: 3 years

| Capacity | ATTO                |                      | CDM-QD32T1          |                      | AS SSD              |                      | 4K Random      |                 |       |
|----------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|----------------|-----------------|-------|
|          | Seq. Read<br>(MB/s) | Seq. Write<br>(MB/s) | Seq. Read<br>(MB/s) | Seq. Write<br>(MB/s) | Seq. Read<br>(MB/s) | Seq. Write<br>(MB/s) | Read<br>(IOPS) | Write<br>(IOPS) | TBW   |
| 240GB    | Up to 520           | Up to 450            | Up to 520           | Up to 450            | Up to 520           | Up to 400            | 30K            | 65K             | 50TB  |
| 480GB    | Up to 520           | Up to 450            | Up to 520           | Up to 450            | Up to 500           | Up to 440            | 40K            | 65K             | 100TB |
| 960GB    | Up to 520           | Up to 450            | Up to 520           | Up to 450            | Up to 500           | Up to 440            | 40K            | 65K             | 200TB |
| 1.92TB   | Up to 520           | Up to 450            | Up to 520           | Up to 450            | Up to 500           | Up to 440            | 40K            | 65K             | 400TB |
| 3.84TB   | Up to 520           | Up to 450            | Up to 520           | Up to 450            | Up to 500           | Up to 440            | 40K            | 65K             | 800TB |

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

## **Schematics**



### Performance