

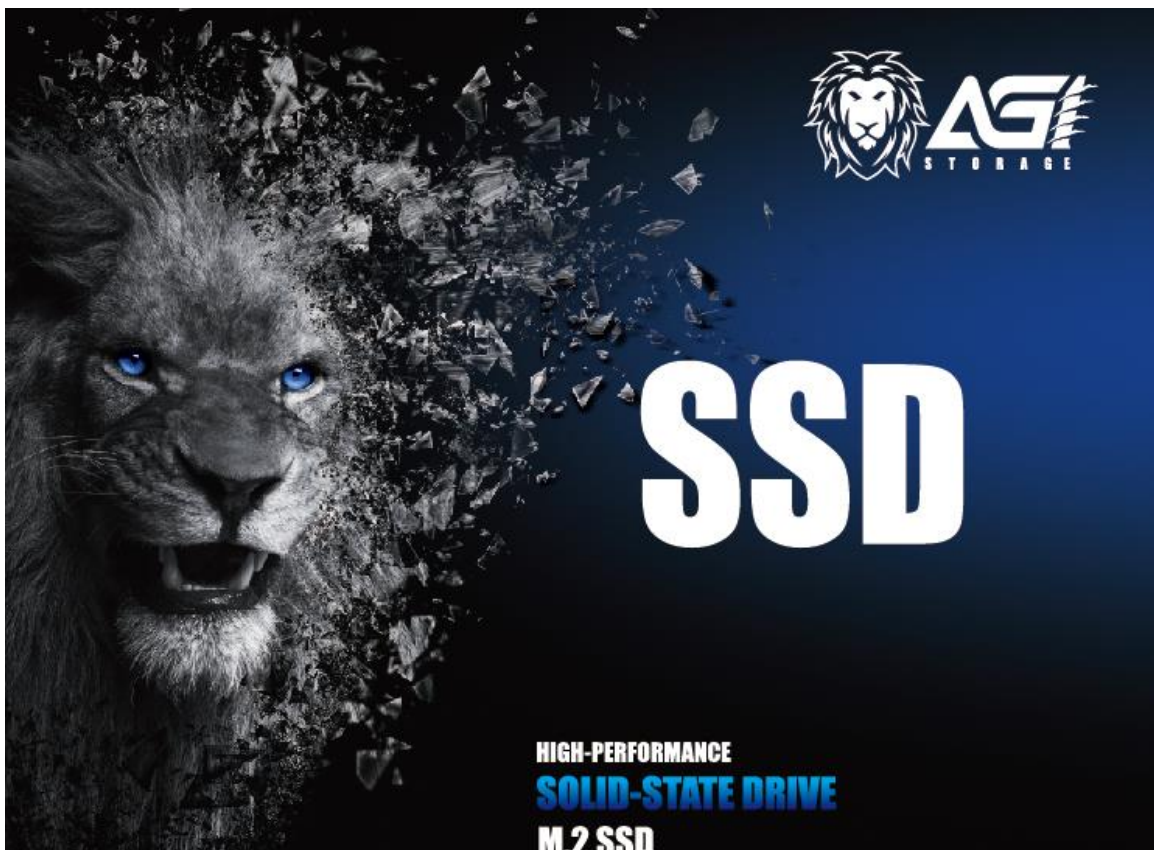


## Features

- 3D NAND Flash for higher durability and capacity
- SLC caching: enhances transmission speed
- Capacity up to 2TB
- PCIe Gen 3 x 4 interface
- Support NVMe 1.3
- Datapath Protection
- DRAM Cache Buffer
- NANDXtend™ ECC Technology
- Support RAID Engine and Data Shaping Technology

## Ordering Information

| Capacity | Part Number    | EAN Code      |
|----------|----------------|---------------|
| 512GB    | AGI512GIMAI218 | 4718009610651 |
| 1TB      | AGI1T0GIMAI218 | 4718009610644 |
| 2TB      | AGI2T0GIMAI218 | 4718009610330 |





## Specifications

- Capacity: 512GB/1TB/2TB
- NAND Flash: 3DNAND
- Interface: PCIe Gen 3 x 4
- Form factor: M.2 2280
- MTBF: 1,600,000 hours
- Dimensions (L x W x H): 80 x 22 x 3.5mm
- Operating Voltage: 3.3V
- Power Slumber: 50mW
- Power DESLVP: 2mW
- Weight: 6g
- Operating temperature: 0°C-70°C
- Storage temperature: -40°C-85°C
- Shock resistance: 1500G/0.5ms
- Certifications: CE, FCC, BSMI, VCCI, RoHS
- Warranty: 3 years

## Performance

| Capacity | CDM-QD32         |                   | AS SSD           |                   | AS SSD 4K-64Thrd |              | ATTO             |                   | TBW   |
|----------|------------------|-------------------|------------------|-------------------|------------------|--------------|------------------|-------------------|-------|
|          | Seq. Read (MB/s) | Seq. Write (MB/s) | Seq. Read (MB/s) | Seq. Write (MB/s) | Read (IOPS)      | Write (IOPS) | Seq. Read (MB/s) | Seq. Write (MB/s) |       |
| 512GB    | 3496             | 2382              | 2973             | 2109              | 184193           | 351293       | 3115             | 2374              | 200TB |
| 1TB      | 3507             | 3114              | 2974             | 2537              | 347053           | 350900       | 3281             | 2909              | 400TB |
| 2TB      | 3499             | 3075              | 2955             | 2433              | 344843           | 350107       | 3265             | 3019              | 800TB |

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

## Schematics

