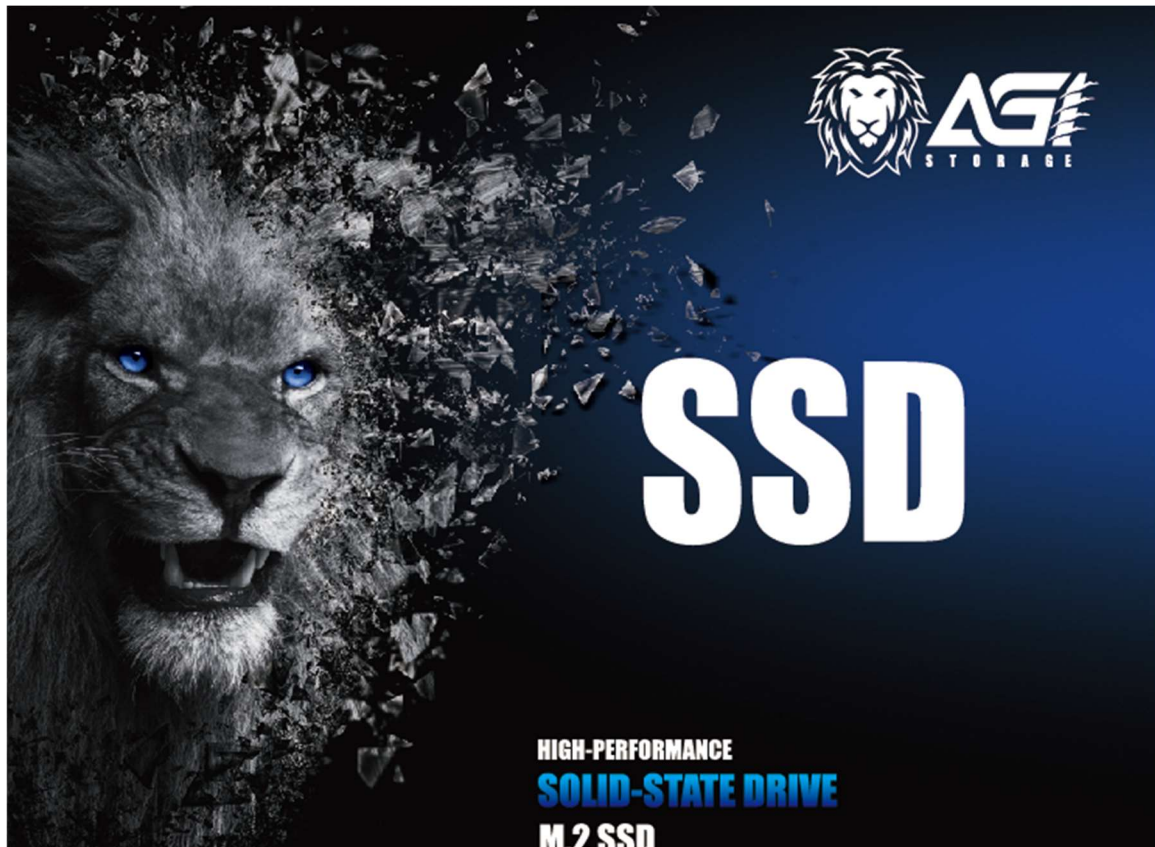


Features

- 3D NAND Flash for higher durability and capacity
- SLC caching: enhances transmission speed
- Wide capacity range: 256GB to 1TB
- Advanced LDPC ECC Technology
- PCIe Gen 3 x 4 interface
- Support NVMe 1.3

Ordering Information

| Capacity | Part Number | EAN Code |
|----------|----------------|---------------|
| 256GB | AGI256G16AI198 | 4718009610194 |
| 512GB | AGI512G16AI198 | 4718009610200 |
| 1TB | AGI1T0G16AI198 | 4718009610347 |





Specifications

- Capacity: 256GB/512GB/1TB
- 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): 22 x 80 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) | |
| 256GB | 1992 | 1221 | 1804 | 1135 | 91928 | 241290 | 1936 | 1217 | 100TB |
| 512GB | 2084 | 1634 | 1891 | 1512 | 175578 | 251696 | 2059 | 1636 | 200TB |
| 1TB | 2103 | 1699 | 1898 | 1580 | 213828 | 242586 | 2005 | 1693 | 300TB |

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

Schematics

