



## Features

- PCIe Gen4 x4 interface and meets NVMe 1.4 standard
- Capacity up to 1TB
- Enhance hardware LDPC ECC Technology
- AES 256-bit encryption support
- Support Global Wear Leveling
- Support Host Memory Buffer
- Support Thermal throttling
- Support SMART and TRIM commands

## Ordering Information

Capacity	Part Number	EAN Code
512GB	AGI512G44AI818	4718009612037
1TB	AGI1T0G44AI818	4718009612020



SOLID-STATE DRIVE  
HIGH-PERFORMANCE



High  
Stability



Fast read  
and write



High  
Quality



# M.2 SSD



## Specifications

- Capacity: 512GB · 1TB
- NAND Flash: 3DNAND
- Interface: PCIe Gen 4 x 4
- Form factor: M.2 2280
- MTBF: 2,000,000 hours
- Operating Voltage: 3.3V±5%
- Operating Vibration: 7 ~ 2000Hz / 15G
- Certifications: CE, FCC, BSMI, RoHS
- Warranty: 3 years
- Dimensions (L x W x H):
  - 80 x 22 x 5.4 mm (with heat sink)
  - 80 x 22 x 2.1 mm (without heat sink)
- Weight: 7.5g±0.2g
  - 512GB : 12g (w/ heat sink) / 6.3g(w/o heat sink)
  - 1TB : 11.2g (w/ heat sink) / 5.2g(w/o heat sink)
- Operating temperature: 0°C-70°C
- Storage temperature: -40°C-85°C
- Shock resistance: 1500G/0.5ms

## Performance

Capacity	CDM-SEQ1M Q8T1		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	5055	2711	4327	2426	235861	437216	5049	2765	500TB
1TB	5055	4584	4336	3949	404407	464019	5091	4517	1000TB

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

## Schematics

