



# AI828 PCIe 4.0 M.2 SSD

## Features

- 4K LDPC + RAID
- Capacity up to 8TB
- PCIe Gen4 x 4 interface
- Support NVMe 1.4
- Support SMART and TRIM commands
- Compatible with PS5



## Ordering Information

Capacity	Part Number	EAN Code
512GB	AGI512G44AI828-CB	4718009618381
1TB	AGI1TOG44AI828-CB	4718009612600
2TB	AGI2TOG44AI828-CB	4718009612549
4TB	AGI4TOG44AI828-CB	4718009613928
8TB	AGI8TOG44AI828-CB	4718009614888





## Specifications

Form Factor	M.2 2280
Interface	PCIe Gen4 x4
Capacity	512GB / 1TB / 2TB / 4TB / 8TB
NAND Flash	3D NAND
Sequential Read/Write	512GB: 6800 MB/s , 4100 MB/s 1TB: 7400 MB/s , 5200 MB/s 2TB: 7400 MB/s , 6700 MB/s 4TB: 7400 MB/s , 6300 MB/s 8TB: 7400 MB/s , 6100 MB/s
Total Bytes Written	512GB: 350TB      4TB: 3000TB 1TB: 750TB      8TB: 6000TB 2TB: 1500TB
Sequential Read (PS5)	512GB: 6600 MB/s      4TB: 6200 MB/s 1TB: 6200 MB/s      8TB: 5800 MB/s 2TB: 6200 MB/s
Operating Voltage	3.3V±5%
Operating Temperature	0°C ~ 70°C
Humidity	5% ~ 98%RH (Non-condensing)
Operating Vibration	15G(7 ~ 2000Hz)
Storage Temperature	-40°C ~ 85°C
Product Dimensions (L x W x H)	80 x 22 x 9mm(with heat sink) 80 x 22 x 2.2mm(w/o heat sink)
Package Dimensions (L x W x H)	131 x 101 x 16mm
Product Weight	28g (with heat sink) 6g (w/o heat sink)
Package Weight	52g
Shock Resistance	1,500G / 0.5ms
MTBF	1.6M hours
Certifications	CE, FCC, BSMI, RoHS
Warranty	Limited 5 years



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

