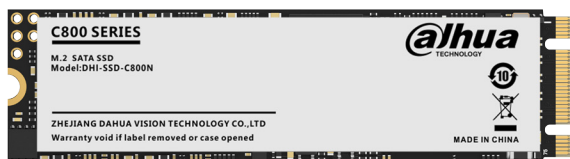


# DHI-SSD-C800N

## M.2 SATA SSD



- Adopts high-quality wafer level chip.
- Supports SATA III protocol with transmission speed up to 550 MB/s.
- View information through S.M.A.R.T.
- Provides better read and write performance with TRIM and NCQ.
- Low power consumption management.
- Large TBW.

### System Overview

As a new generation of SATA M.2 SSD product launched by Dahua, DHI-SSD-C800N series adopts high-quality 3D wafer level chip and high-performance controller. It is consumer-grade solid state drive designed for desktops and notebooks supporting SATA M.2 port. The product can process data efficiently and store data stably. In multi-tasking, it can ensure high speed and stability.

### Scene

The product is applicable to desktops, notebooks and all-in-one computers that support SATA M.2 port.

### Technical Specification

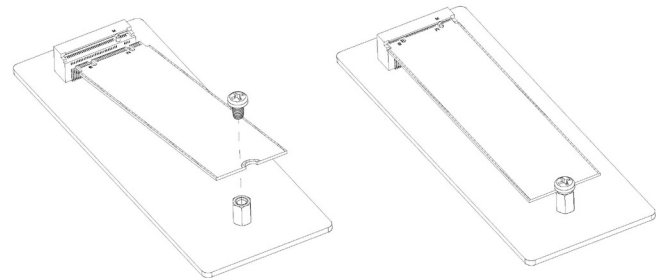
Product Model	DHI-SSD-C800N128G	DHI-SSD-C800N256G	DHI-SSD-C800N500G	DHI-SSD-C800N512G	DHI-SSD-C800N1TB	DHI-SSD-C800N2TB
Capacity <sup>1</sup>	128 GB	256 GB	500 GB	512 GB	1 TB	2 TB
Form Factor	SATA M.2 2280					
Port	SATA III 6Gb/s					
Net Weight	Max. 7 g (0.02 lb)					
Product Dimensions <sup>2</sup>	80.00 mm × 22.00 mm × 2.20 mm (3.15" × 0.87" × 0.09")					
Packaging Dimensions	130 mm × 104 mm × 17 mm (5.12" × 4.09" × 0.67")					
Memory Component	3D NAND FLASH					
Power Consumption <sup>3</sup>	0.88W (max.) 0.26W (idle)	1.60W (max.) 0.48W (idle)	1.65W (max.) 0.74W (idle)	1.65W (max.) 0.74W (idle)	1.70W (max.) 0.87W (idle)	1.24W (max.) 0.25W (idle)
S.M.A.R.T	Yes					
TRIM	Yes					
Garbage Collection	Yes					
Sequential Read <sup>3</sup>	Up to 550 MB/s	Up to 490 MB/s	Up to 530 MB/s	Up to 550 MB/s	Up to 550 MB/s	Up to 550 MB/s

Sequential Write <sup>3</sup>	Up to 490 MB/s	Up to 470 MB/s	Up to 510 MB/s	Up to 490 MB/s	Up to 500 MB/s	Up to 500 MB/s
4K Random Read <sup>3</sup>	Up to 51200	Up to 65700	Up to 39000	Up to 76800	Up to 76800	Up to 81900
4K Random Write <sup>3</sup>	Up to 64000	Up to 72100	Up to 86000	Up to 69100	Up to 69100	Up to 69100
MTBF	1,500,000 hours					
Operating Temperature	0°C to +70°C (+32°F to +158°F)					
Storage Temperature	-40°C to +85°C (-40°F to +185°F)					
Operating Humidity	5%–95% (non-condensing)					
Vibration Resistance	10–200Hz, 0.5G					
TBW	250 TB	100 TB	200 TB	200 TB	400 TB	1500 TB
Warranty <sup>4</sup>	3-year limited warranty					
Reference Information	1.Capacity calculation: 1 GB = 1 billion bytes (IDEMA). Actual available capacity might be reduced (due to formatting, partition, operating system applications, or other necessary usage). 2. System configuration of performance test: Chip-AMD Ryzen 5 5600X 6-Core Processor@3.70 GHz, 8G-DDR4, operating system-Windows 10 x64, testing tool-CrystalDiskMark 6.0.0 x64. 3.Warranty period or maximum write amount (TBW), whichever comes first. 4.High performance SLC cache has been enabled. *Above data based on internal testing of Zhejiang Huayixin Technology Co., Ltd Laboratory The actual performance might differ depending on the device it is being used with.					

**Ordering Information**

Type	Model	Description
C800 Series	DHI-SSD-C800N128G	M.2 SATA Solid State Drive DHI-SSD-C800N128G
	DHI-SSD-C800N256G	M.2 SATA Solid State Drive DHI-SSD-C800N256G
	DHI-SSD-C800N500G	M.2 SATA Solid State Drive DHI-SSD-C800N500G
	DHI-SSD-C800N512G	M.2 SATA Solid State Drive DHI-SSD-C800N512G
	DHI-SSD-C800N1TB	M.2 SATA Solid State Drive DHI-SSD-C800N1TB
	DHI-SSD-C800N2TB	M.2 SATA Solid State Drive DHI-SSD-C800N2TB

**Installation**



**Dimensions (mm[inch])**

