

DHI-SSD-C800A

2.5" SATA Solid State Drive



- Adopts high-quality wafer level chip
- Supports SATA 3.0 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

System Overview

As a new generation of 2.5" SSD product launched by Dahua, DHI-SSD-C800A series adopts high-quality 3D wafer level chip and high-performance controller. It is consumer-grade solid state drive designed for personal desktops and notebooks. The product can process data efficiently and ensure quick start-ups. In multi-tasking, it can ensure high speed and stability.

Scene

DHI-SSD-C800A series is standard 2.5" consumer-grade solid state drive which is applicable to personal desktops, notebooks, all-in-one computers, and more.

Technical Specification

Product Model	DHI-SSD-C800AS120G	DHI-SSD-C800AS240G	DHI-SSD-C800AS480G	DHI-SSD-C800AS500G	DHI-SSD-C800AS960G	DHI-SSD-C800AS1000G
Capacity ¹	120 GB	240 GB	480 GB	500 GB	960 GB	1000 GB
Form Factor	2.5"					
Port	6 Gb/s SATA					
Net Weight	Max 40 g (0.09 lb)					
Product Dimensions ²	100.20 mm × 69.90 mm × 7.00 mm (3.94" × 2.75" × 0.28")					
Packaging Dimensions	140.50 mm × 105.50 mm × 15.50 mm (5.53" × 4.15" × 0.61")					
Memory Component	3D TLC	3D TLC	3D QLC	3D QLC	3D QLC	3D QLC
Power Consumption ²	1195 mW (max) 415 mW (idle)	1200 mW (max) 370 mW (idle)	1600 mW (max) 510 mW (idle)	1910 mW (max) 790 mW (idle)	2200 mW (max) 550 mW (idle)	1960 mW (max) 840 mW (idle)
S.M.A.R.T	Support					
TRIM	Support					
Garbage Collection	Support					

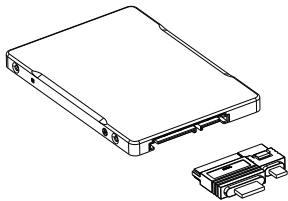
Sequential Read ²	Up to 500 MB/s	Up to 550 MB/s	Up to 550 MB/s	Up to 530 MB/s	Up to 550 MB/s	Up to 550 MB/s
Sequential Write ²	Up to 420 MB/s	Up to 460 MB/s	Up to 470 MB/s	Up to 500 MB/s	Up to 490 MB/s	Up to 500 MB/s
4K Random Read ²	Up to 31,000	Up to 52,000	Up to 60,000	Up to 42,000	Up to 63,000	Up to 67,000
4K Random Write ²	Up to 57,000	Up to 57,000	Up to 77,000	Up to 80,000	Up to 77,000	Up to 81,000
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	10–1000 Hz, 2.78G					
Shock Resistance	1500G/0.5 ms (half sine wave)					
TBW	50 TB	100 TB	200 TB	200 TB	310 TB	400 TB
Warranty ³	3-year limited warranty					
Reference Information	<ol style="list-style-type: none"> 1. Capacity calculation: 1GB = 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: Intel Z390 Chipset, Intel Core i9-9900KF@3.6GHz, 16GB DDR4; operating system-Windows 10 x64; testing tool-CrystalDiskMark 6.0.0. 3. Warranty period or maximum write amount (TBW), whichever comes first. 4. High performance SLC cache has been enabled. 					

Ordering Information

Type	Model	Description
C800A Series	DHI-SSD-C800AS120G	2.5" SATA Solid State Drive DHI-SSD-C800AS120G
	DHI-SSD-C800AS240G	2.5" SATA Solid State Drive DHI-SSD-C800AS240G
	DHI-SSD-C800AS480G	2.5" SATA Solid State Drive DHI-SSD-C800AS480G
	DHI-SSD-C800AS500G	Dahua 2.5 inch SATA SSD DHI-SSD-C800AS500G
	DHI-SSD-C800AS960G	2.5" SATA Solid State Drive DHI-SSD-C800AS960G
	DHI-SSD-C800AS1000G	Dahua 2.5 inch SATA SSD DHI-SSD-C800AS1000G

Installation

Install by Cable Connection



Install by Direct Insertion

