

DHI-SSD-C800A

2.5 inch SATA Solid State Drive



- 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

System Overview

As a new generation of 2.5 inch SSD product launched by Dahua, C800 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

C800 series is standard 2.5 inch consumer-grade solid state drive which is applicable to personal desktops, notebooks, all-in-one computers, and more.

Technical Specification

Product Model	DHI-SSD-C800AS128G	DHI-SSD-C800AS256G	DHI-SSD-C800AS512G	DHI-SSD-C800AS1TB	DHI-SSD-C800AS2TB
Capacity ¹	128 GB	256 GB	512 GB	1 TB	2 TB
Form Factor	2.5 inch				
Port	SATA III 6Gb/s				
Net Weight	Max 40 g (0.09 lb)				
Product Dimensions	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 NAND				
Power Consumption	1065 mW (max) 400 mW (idle)	1186 mW (max) 412 mW (idle)	1910 mW (max) 415 mW (idle)	1960 mW (max) 840 mW (idle)	2500 mW (max) 960 mW (idle)
S.M.A.R.T	Support				
TRIM	Support				

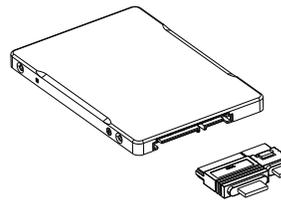
Garbage Collection	Support				
Sequential Read ²	Up to 500 MB/s	Up to 550 MB/s	Up to 550 MB/s	Up to 550 MB/s	Up to 540 MB/s
Sequential Write ²	Up to 400 MB/s	Up to 460 MB/s	Up to 470 MB/s	Up to 500 MB/s	Up to 460 MB/s
MTBF	1,500,000 hours				
Operating Temperature	0°C to +70°C (+32°F to +158°F)				
Storage Temperature	-40°C to +85°C (-40°F to +185°F)				
Operating Humidity	5%–95% (non-condensing)				
Vibration Resistance	10–200 Hz, 0.5G				
TBW	Up to 50 TB	Up to 100 TB	Up to 200 TB	Up to 400 TB	Up to 800 TB
Warranty ³	3-year limited warranty		5-year limited warranty		
Reference Information	<ol style="list-style-type: none"> Capacity calculation: 1GB = 1 billion bytes (IDEMA). Actual available capacity might be reduced (due to formatting, partition, operating system applications, or other necessary usage). 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. Warranty period or maximum write amount (TBW), whichever comes first. High performance SLC cache has been enabled. (*Above data based on internal testing of Dahua Memory Laboratory)				

Ordering Information

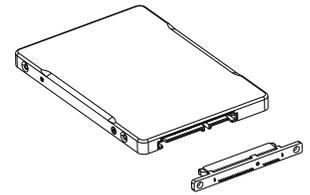
Type	Model	Description
C800 Series	DHI-SSD-C800AS128G	Dahua 2.5 inch SATA Solid State Drive 128G Dramless 0~70°C
	DHI-SSD-C800AS256G	Dahua 2.5 inch SATA Solid State Drive 256G Dramless 0~70°C
	DHI-SSD-C800AS512G	Dahua 2.5 inch SATA Solid State Drive 512G Dramless 0~70°C
	DHI-SSD-C800AS1TB	Dahua 2.5 inch SATA Solid State Drive 1TB Dramless 0~70°C
	DHI-SSD-C800AS2TB	Dahua 2.5 inch SATA Solid State Drive 2TB Dramless 0~70°C

Installation

Install by Cable Connection



Install by Direct Insertion



Dimensions (mm[inch])

