

DHI-SSD-E800

2.5 inch SATA Solid State Drive



- Adopts high-quality wafer level chip.
- Supports SATA III protocol with transmission speed up to 540 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 2.5 inch SSD product launched by Dahua, E800 series adopts high-quality 3D wafer level chip. Used with professional controller from large manufacturers, it is commercial-grade solid state drive designed for enterprise desktops and notebooks. The product can process data efficiently, ensure quick start-ups, and smooth running of large softwares. In multi-tasking, it can ensure security and stability to let you enjoy efficient working.

Scene

E800 series is standard 2.5 inch commercial-grade solid state drive which is applicable to enterprise desktops and notebooks.

Technical Specification

Product Model	DHI-SSD-E800S128G	DHI-SSD-E800S256G	DHI-SSD-E800S512G	DHI-SSD-E800S1TB	DHI-SSD-E800S2TB
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 FLASH				
Power Consumption	1065 mW (max) 400 mW (idle)	1186 mW (max) 412 mW (idle)	1300 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				

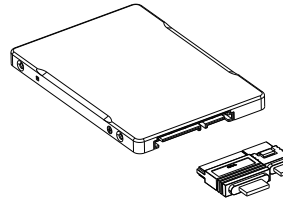
Sequential Read ²	Up to 530 MB/s	Up to 510 MB/s	Up to 540 MB/s	Up to 500 MB/s	Up to 500 MB/s
Sequential Write ²	Up to 450 MB/s	Up to 450 MB/s	Up to 460 MB/s	Up to 470 MB/s	Up to 510 MB/s
MTBF	1,500,000 hours				
Operating Temperature	0°C to +70°C (+32°F to +158°F)				
Storage Temperature	-40°C to +85°C (-40°F to +185°F)				
Operating Humidity	5%–95% (non-condensing)				
Vibration Resistance	10–1000 Hz, 2.78G				
Vibration Resistance	1500G/0.5 ms (half sine wave)				
TBW	50 TB	100 TB	200 TB	400 TB	800 TB
Warranty ³	3-year limited warranty				
Reference Information	<p>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).</p> <p>2. System configuration of performance test: Chip-Intel Z270 Chipset, Intel Core i7-7700K@4.2GHz, 8GB DDR4; operating system-Windows 10 x64; testing tool-CrystalDiskMark 5.2.1.</p> <p>3. Warranty period or maximum write amount (TBW), whichever comes first.</p> <p>4. High performance SLC cache has been enabled.</p> <p>*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.</p>				

Ordering Information

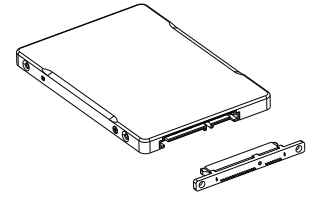
Type	Model	Description
E800 Series	DHI-SSD-E800S128G	2.5 inch SATA Solid State Drive DHI-SSD-E800S128G
	DHI-SSD-E800S256G	2.5 inch SATA Solid State Drive DHI-SSD-E800S256G
	DHI-SSD-E800S512G	2.5 inch SATA Solid State Drive DHI-SSD-E800S512G
	DHI-SSD-E800S1TB	2.5 inch SATA Solid State Drive DHI-SSD-E800S1TB
	DHI-SSD-E800S2TB	2.5 inch SATA Solid State Drive DHI-SSD-E800S2TB

Installation

Install by Cable Connection



Install by Direct Insertion



Dimensions (mm[inch])

