

DHI-SSD-E800

2.5" 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
- Large TBW

System Overview

As a new generation of 2.5" SSD product launched by Dahua, DHI-SSD-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

DHI-SSD-E800 series is standard 2.5" 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
Capacity ¹	128 GB	256 GB	512 GB	1TB
Form Factor	2.5"			
Port	6 Gb/s SATA			
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 TLC	3D TLC	3D TLC	3D TLC
Power Consumption ²	1065 mW (max) 400 mW (idle)	1186 mW (max) 412 mW (idle)	1300 mW (max) 415 mW (idle)	1690 mW (max) 420 mW (idle)
S.M.A.R.T	Support			
TRIM	Support			
Garbage Collection	Support			

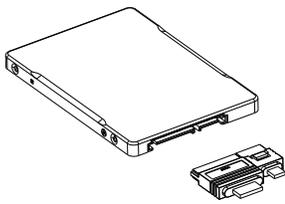
Sequential Read ²	Up to 550 MB/s	Up to 550 MB/s	Up to 550 MB/s	Up to 550 MB/s
Sequential Write ²	Up to 410 MB/s	Up to 470 MB/s	Up to 490 MB/s	Up to 500 MB/s
4K Random Read ²	Up to 37000	Up to 42000	Up to 52000	Up to 79900
4K Random Write ²	Up to 57000	Up to 58000	Up to 59000	Up to 75500
MTBF	1,500,000 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	60 TB	128 TB	256 TB	512 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: Chip-Intel Z270 Chipset, Intel Core i7-7700K@4.2GHz, 8GB DDR4; operating system-Windows 10 x64; testing tool-CrystalDiskMark 5.2.1. 3. Warranty period or maximum write amount (TBW), whichever comes first. 4. High performance SLC cache has been enabled. 			

Ordering Information

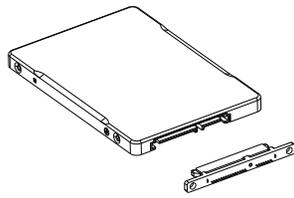
Type	Model	Description
E800 Series	DHI-SSD-E800S128G	2.5" SATA Solid State Drive DHI-SSD-E800S128G
	DHI-SSD-E800S256G	2.5" SATA Solid State Drive DHI-SSD-E800S256G
	DHI-SSD-E800S512G	2.5" SATA Solid State Drive DHI-SSD-E800S512G
	DHI-SSD-E800S1TB	2.5" SATA Solid State Drive DHI-SSD-E800S1TB

Installation

Install by Cable Connection



Install by Direct Insertion



Dimensions (mm[inch])

