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
Capacity[1]	128 GB	256 GB	512 GB
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
Power Consumption[2]	1065 mW (max) 400 mW (idle)	1186 mW (max) 412 mW (idle)	1300 mW (max) 415 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

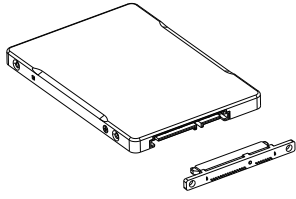|			
Sequential Write[2]	Up to 360 MB/s	Up to 470 MB/s	Up to 490 MB/s
4K Random Read[2]	Up to 37000	Up to 42000	Up to 52000
4K Random Write[2]	Up to 57000	Up to 58000	Up to 59000
MTBF	1,500,000 hours		
Operating Temperature	0°C to 70°C (32°F to 158°F)		
Storage Temperature	−40°C to +85°C (−40°F to 185°F)		
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
Warranty[3]	3-year limited warranty		
Reference Information	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

Installation

Install by Cable Connection
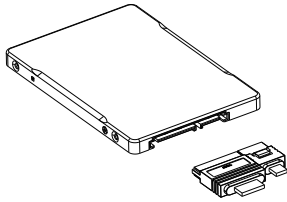
Install by Direct Insertion

Dimensions (mm[inch])

7.0 [0.28]

69.9 [2.75]

3.8 [0.15]

100.2 [3.94]

76.6 [3.02]

76.6 [3.02]

61.7 [2.43]