

**Reading and Writing
Speeds**
SATA 580/550 MB/s

SSD Controller
World Number 1
SMI controller

Flash Technology
✓TLC (×QLC/×MLC)
+
3D NAND

Our Experience
20+ Years
in Manufacturing



Hyper SSD 2.5" Solid State Drive SATA III

Description

The TwinMOS SSD is an excellent choice for a SATA-based solid-state drive (SSD) in an existing PC or MAC desktop or laptop computer. The H2 Ultra SSD is designed to be high performance and help realize faster booting times, quicker application launches, and better overall system performance. TwinMOS featuring a powerful controller and exceptional transfer speeds, the 2.5 inch SSD easily handles everyday computing tasks as well as demanding multimedia applications. In addition, the Wear-Leveling technology and ECC Function ensure the reliability of H2. It is your top choice when it comes to 2.5" SSD!

Specification

- Model: TwinMOS SSD H2 Ultra
- Sequential Read Speed (MB/s) : Up to 580 Mb/s
- Sequential Write Speed (MB/s) : Up to 550 Mb/s
- Form Factor : 2.5 inch
- Interface : SATAIII
- NAND Type : TLC 3D NAND
- NAND Flash Brand : Micron
- SSD Controller Brand : SMI
- Bridge Controller MTBF : >1,500,000 hours
- Shock Resistance: 1500G/0.5ms
- Voltage : 3.3V
- MTBF : 1.5 Million hours
- Operating Temperature : 0°C to 70°C
- Dimensions (LxWxH): 100X69X6.9mm
- Weight: 47.5g
- Low density parity check (LDPC)
- Failed Blocks of Flash will be replaced with new ones by the SSD.
- Smart: Yes
- TRIM: Yes
- Certification: ROHS
- Warranty: 3 Years

Performance

CAPACITY	Sequential Read Speed Up to (MB/s)	Sequential Write Speed Up to (MB/s)	4k Random read IOPS (Up to)	4K Random write IOPS (Up to)	Endurance (TBW Max Capacity)
128GB	580 MB/s	550 Mb/s	90K	90K	125TBW
256GB	580 MB/s	550 Mb/s	90K	90K	250TBW
512GB	580 MB/s	550 Mb/s	90K	90K	500TBW
1TB	580 MB/s	550 Mb/s	90K	90K	1000TBW
2TB	580 MB/s	550 Mb/s	90K	90K	2000TBW

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93 GB

[2] Definition and conditions of TBW (Terabytes Written) are based on JEDEC standard

[3] Transmission speed will vary according to different hardware/software conditions, therefore the data can only use for basic reference.

• We reserve the right to modify product specifications without prior notice. Different devices may have a different best format for usage. It is recommended to format the device before use to ensure the correctness and the integrity of the SSD.

Laser Engraved

Dark Grey

Rose Gold



Ordering Information

Laser Engraved

EAN CODE	PART #	CAPACITY
6291104607460	TM128GH2UGL	128GB
6291104607477	TM256GH2UGL	256GB
6291104607484	TM512GH2UGL	512GB
6291104607491	TM1000GH2UGL	1TB
6291104607507	TM2000GH2UGL	2TB

Dark Grey

EAN CODE	PART #	CAPACITY
6291104607095	TM128GH2UG	128GB
6291104607101	TM256GH2UG	256GB
6291104607118	TM512GH2UG	512GB
6291104607125	TM1000GH2UG	1TB
6291104607446	TM2000GH2UG	2TB

Rose Gold

EAN CODE	PART #	CAPACITY
6291104606050	TM128GH2U	128GB
6291104606067	TM256GH2U	256GB
6291104606074	TM512GH2U	512GB
6291104605596	TM1000GH2U	1TB