



## S740-25 | 2.5" SATA SSD

The S740-25 series is the latest generation of 2.5" industrial durable 3D TLC SSDs. Equipped with DRAM cache and buffer function for improved performance and service life in industrial SSDs. The series also integrated LDPC ECC, global wear leveling technology, and end-to-end data protection to ensure stable performance in high-load hosts, server hosts, or other industrial equipment, delivering outstanding performance, durability, and reliability.

Global  
Wear  
Leveling

Dram  
Cache

MIL-STD

### Main Feature

- Durable Industrial 3D TLC
- Built-In DRAM Cache
- Supports S.M.A.R.T. Function (exclusive S.M.A.R.T. Tool software developed by TEAMGROUP)
- Supports Error Correction Codes (ECC) and Low Density Parity Check (LDPC)
- Supports TRIM Commands
- Global Wear Leveling Technology
- End-to-End Data Protection
- Supports TCG Opal 2.0/ AES 256-bit Hardware Encryption (optional)

### Ordering Information

S740-25	Capacity	Team P/N
Standard Temp.	64GB	TE64GS740K7MM
	128GB	TE128GS740K7MM
	256GB	TE256GS740K7MM
	512GB	TE512GS740K7MM
	1TB	TE1TS740X7MM

### Specification

Interface	SATA III 6.0Gb/s
Flash Type	3D TLC
Capacity	64GB/128GB/256GB/512GB/1TB <sup>[1]</sup>
Sequential R/W	R/W: 530/480 MB/s (Max.) <sup>[2]</sup>
Max. Power Consumption	4.9V × 427 mA
Dimension	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.27")
Shock	<ul style="list-style-type: none"> <li>• Operation: 50G/11ms (compliant with MIL-STD-202G Test condition A)</li> <li>• Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K Test condition B)</li> </ul>
Vibration	<ul style="list-style-type: none"> <li>• Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G General)</li> <li>• Non-operation: 4.02 Grms, 15 ~ 2000 Hz/sine (compliant with MIL-STD-810G General)</li> </ul>
MTBF	> 3 million hours
Storage Temperature	-55°C ~ +95°C
Operation Temperature	Standard Temp.: 0°C (32°F) ~ 70°C (158°F)
P/E Cycle	3K
Thermal Sensor	√
External DRAM Buffer	√
TRIM	√
S.M.A.R.T.	√
Warranty	3-year limited warranty <sup>[3]</sup>

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

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

[3] The warranty period of solid-state drives (SSD) products is divided into a warranty of years and a warranty of the number of disk writes. One of the two conditions (the earlier one is the standard). Any improper action that causes the flash to exceed the lifespan limitation will not be warranted. (Erase Count MLC: 3,000 times, SLC: 60,000 times, High Endurance 3D TLC(10K): 10,000 times, Industrial 3D TLC: 3,000 times) The erase count judge standard is to use TEAMGROUP official released S.M.A.R.T. Tool.

※We reserve the right to modify product specifications without prior notice.