

Samsung Enterprise SSD

PRO MODEL



STRATEGIC PARTNER
SOLID STATE DRIVES



Product:

SAMSUNG 3D V-NAND technology innovation design the enterprise SSD SM863 is designed to excel in data center's intensive workload environment It delivers consistently exceptional Quality of Service as well as low latency in both random read/write In environments like TPC-C (OLTP), SM863 outperforms others in TPS and average response time

Features:

- NAND Flash Memory which provide high reliability and high performance for a storage media
- SSD doesn't have any moving parts such as platter (disk) and head media
- SSD provides a better anti-seismic property in moving storage devices such as vehicle, train, ship and other mobile machinery
- Enterprise SSD storage device providing higher performance, reduced latencies, low power consumption

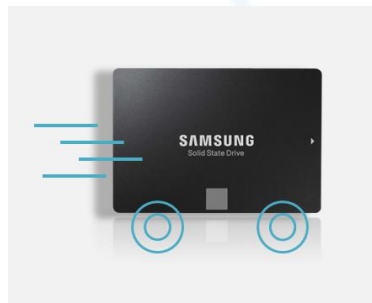
Application:

Ensure the data completeness



Enterprise SSD showed a lower probability of data corruption, and maintain a high level of data integrity, power-off protection & Dynamic Thermal Guard to protect data

Moving storage devices



Better anti-seismic design for recording the moving video, better adapted to the vehicle video management system, SED to ensure that provide continuous data protection

Data center storage & analyzing



Random IOPS faster and lower latency, professional Quality of Service quickly handle of data center and analyzing a large amount of data is of great importance

Specifications:

Model	AS-H240-SE	AS-H480-SE	AS-H960-SE	AS-H1T9-SE
SSD Type	SM863			
Capacity	240GB	480GB	960GB	1920GB
Sequential Read	520 MB/s	525 MB/s	520 MB/s	510 MB/s
Sequential Write	245 MB/s	460 MB/s	475 MB/s	475 MB/s
Active Read (4KB)	2.7 Watt	2.9 Watt	2.9 Watt	3.0 Watt
Active Write (128KB)	2.7 Watt	3.8 Watt	3.8 Watt	4.0 Watt
Random Read IOPS	99K IOPS			
Random Write IOPS	10K IOPS			
Transfer rate	600 MB/s			
Interface	Serial ATA interface of 6 Gb/s			
Power	+5V \pm 5%, 100 mV p-p or less			
Form Factor	2.5" Type (100.25 \pm 0.25 x 70.1 \pm 0.25 x 7.0 \pm 0.20) mm			
Weight	60 g			
Operating	Measuring at the hottest 0 $^{\circ}$ C to 70 $^{\circ}$ C, non-condensing 5 % to 95 %			
Housing Color	Black			

➤ Specifications are subject to change without prior notice

Product Size: