



Q ZOOM IN

MZ-N6E1TOBW

MZ-N6E1TOBW

- Up to 550/520 MB/s
- 5 year or up to 600 TBW
- Auto Garbage Collection Algorithm

STORAGE | 1TB

250GB 500GB 1TB 2TB

CONTACT US

The SSD to trust

The newest edition to the world's best-selling* SATA SSD series, the Samsung 860 EVO. Specially designed for mainstream PCs and laptops, with the latest V-NAND and a robust algorithm-based controller, this fast and reliable SSD comes in a wide range of compatible form factors and capacities.

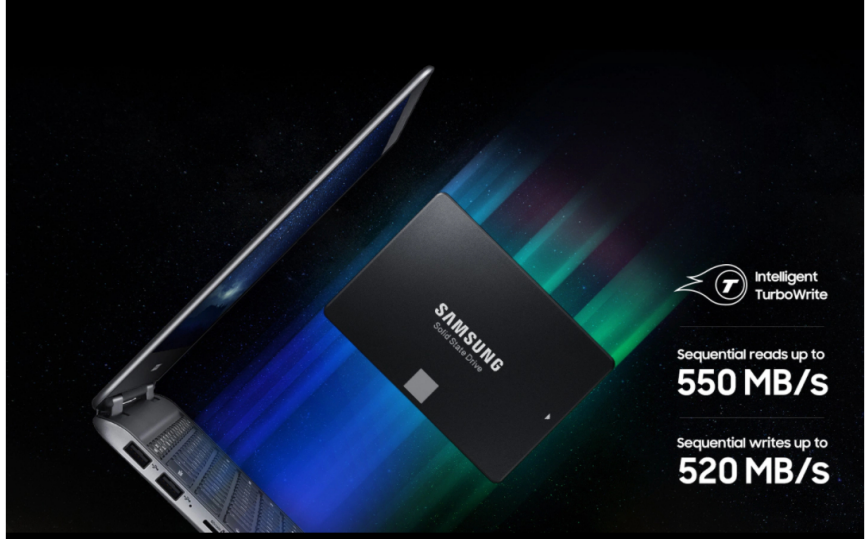


* Source: NPD US data from Jan. 2015 to Oct. 2017 and GRK/EUS data from Jan. 2015 to Sep. 2017; China data from Jan. 2016 to Sep. 2017



Enhanced performance

Speeds are more consistent, even with heavy workloads and multi-tasks. The 860 EVO performs at sequential writes up to 520 MB/s* with Intelligent TurboWrite technology, and sequential reads up to 550 MB/s. The TurboWrite buffer size* is upgraded from 12 GB to 78 GB for faster file transfer.



Sequential reads up to **550 MB/S**

Sequential writes up to **520 MB/S**

* Performance may vary based on SSD's firmware version and system hardware & configuration. Sequential write performance measurements are based on Intelligent TurboWrite technology. Sequential performance measurements based on CrystalDiskMark v.5.2.2 and Qmaster 3.0. The sequential write performance after Intelligent TurboWrite report are 300 MB/s for 250 GB model and 500 MB/s for 1 TB model system configurations. Intel Core i5-1050 CPU @ 3.3 GHz, DDR4 16GB 2400 MHz, OS - Windows 7 Ultimate x64, Chipset: ASUS P8B77-V. The TurboWrite buffer size write based on the capacity of the SSD: 12 GB for 250 GB model, 22 GB for 500 GB model, 42 GB for 1 TB model and 78 GB for 2 TB. For more information on the TurboWrite, please visit www.samsungssd.com.



Boosted endurance

Safely store and render large sized 4K videos and 3D data used by the latest applications, up to 8x higher TBW (Terabytes Written)* than the previous 850 EVO. The latest V-NAND technology gives you up to 2,400 TBW, or is backed by a 5-year limited warranty.*



* Warrantied TBW for 860 EVO: 150 TBW for 250 GB model, 300 TBW for 500 GB model, 600 TBW for 1 TB model, 1,200 TBW for 2 TB model and 2,400 TBW for 4 TB model.* 5-years or TBW, whichever comes first. For more information on the warranty, please find the enclosed warranty statement in the package.

Smart compatibility

Benefit from faster, more fluid communication with your host system. The refined ECC* algorithm and a new MJX controller generate higher speeds, and the improved queued trim enhances Linux compatibility. Our advanced engineering makes the 860 EVO more compatible with your computing system.

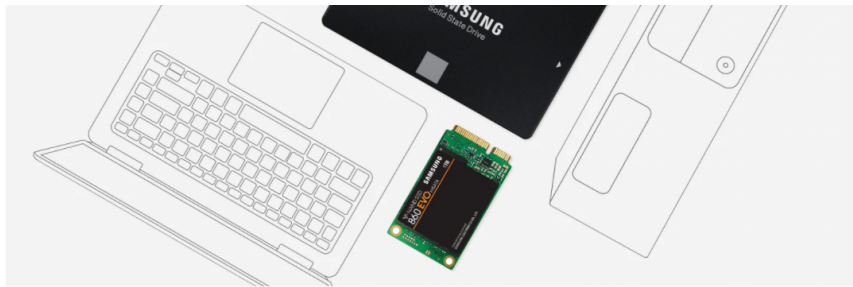


* Error Correction Code

Multi form factors

Whatever size your computer needs, there is an 860 EVO for you. Choose among the 2.5-inch size for desktop PCs and laptops, and the SATA-based M.2 (2280) or the mSATA for ultra-slim computing devices.





Samsung Magician

Management software

Samsung Magician software is designed to help you manage your SSD with a simple and intuitive user interface.

Firmware update

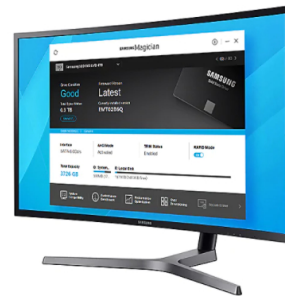
Get notifications when new firmware is released, and easily install updates for enhanced performance, stability, and compatibility.

Perf. benchmark

Check your SSD's sequential and random read/write speeds, so you can maintain superb performance.

Data security

Protect data by selecting security options. The 860 EVO supports AES 256-bit hardware-based encryption and is compliant with TCG Opal and IEEE 1667.



Specification

General Feature

Application Client PCs	Capacity 1,000 GB (1 GB=1 Billion byte by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)	Form Factor M.2 2280	Interface SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & SATA 1.5 Gb/s interface
Dimension (WxHxD) Max 80.15 x Max 22.15 x Max 2.38 (mm)	Weight Max. 8 g	NAND Type Samsung V - NAND 3bit MLC	Controller Samsung MJX Controller
Cache Memory Samsung 1 GB Low Power DDR4 SDRAM			

Special Feature

TRIM Support TRIM Supported	S.M.A.R.T Support S.M.A.R.T Supported	GC (Garbage Collection) Auto Garbage Collection Algorithm	Encryption Support AES 256 - bit Encryption (Class 0) TCG/Opal, IEEE1667 (Encrypted drive)
WWN Support World Wide Name supported	Device Sleep Mode Support Yes		

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* Key feature may differ from Key Spec.
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* Images shown here are for representational purpose only, actual may vary. All features, specifications and prices are subject to change without prior notice. Model availability may vary from location to location.

Technical Support

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Manual Download

MZ-N6E1T0BW (MZ-N6E1T0BW)

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