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Samsung 2TB 860 PRO SATA III 2.5" Internal SSD

$379.95

Product Images

Short Description

Store your data in the 2TB 860 PRO SATA III 2.5" Internal SSD from Samsung for quick access. It features sequential read speeds of up to 560 MB/s and sequential write speeds of up to 530 MB/s, making it ideal for storing and rendering large format files such as 4K video and 3D data.

Description

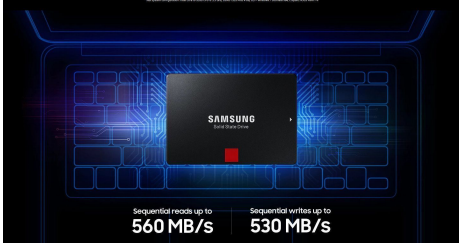
Store your data in the 2TB 860 PRO SATA III 2.5" Internal SSD from Samsung for quick access. It features sequential read speeds of up to 560 MB/s and sequential write speeds of up to 530 MB/s, making it ideal for storing and rendering large format files such as 4K video and 3D data. Moreover, it has a 2.5" form factor, which is compatible with a wide range of notebooks and desktop computers, and utilizes the SATA III interface. With a refined ECC (Error Correction Code) algorithm and MJX controller, the PRO 860 is able to provide you with fast data transfer speeds. Download Samsung's Smart Magician software to track your drive's health, performance, and install new updates.

Industry leading reliability

Powered by the latest V-NAND technology and a robust algorithm-based controller, the 860 PRO readily handles heavy workloads of high-end PCs, workstations and NAS (Network Attached Systems) to give lasting assurance to gamers, IT and creative professionals.

Enhanced performance

Speeds are consistent and sustained, even under heavy workloads and multitasking. The 860 PRO performs at sequential read speeds up to 560 MB/s with the combination of the latest V-NAND and a refined controller, delivering sequential write speeds up to 530 MB/s.

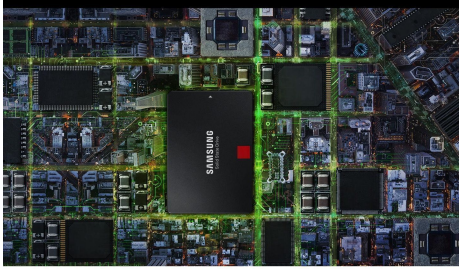


Superior endurance

Under heavy workloads, endurance is everything. Safely store and render 4K videos and 3D data used by the latest applications, up to 10.7x higher TBW* than the previous 850 PRO. The latest V-NAND technology gives you industry-leading endurance backed by a 5-year or up to 4,800 TBW limited warranty.

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.



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.

Performance 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 PRO supports AES 256-bit hardware-based encryption and is compliant with TCG Opal and IEEE 1667.

2.5" SATA III
Form Factor

SAMSUNG
V-NAND SSD
V-NAND

Read

Write

Secure Encryption

5-yr Limited Warranty

SEE ALL SPECS

Features

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Specifications

Samsung 860 PRO Specs

Storage

Drive Capacity	2 TB

Performance

Interface	SATA III (6 Gb/s)
Sequential Read Speed	560 MB/s
Sequential Write Speed	530 MB/s

Physical

Drive Type	SSD
Form Factor	2.5"

SSD Specs

Flash Controller	Samsung MJX
SMART Support	Yes
TRIM Support	Yes

Reliability / Data Integrity

Encryption	256-Bit AES Hardware Encryption
Endurance (Total Bytes Written)	600 TB
Mean Time Between Failures (MTBF)	1.5 Million Hours

Electrical

Power Draw	2.2 W (Active)

Environmental

Operating Shock	1500 G / 0.5 ms
Operating Temperature	32 to 158°F / 0 to 70°C

General

Dimensions (W x H x D)	3.9 x 2.8 x 0.3" / 99.06 x 71.12 x 7.62 mm
Weight	2.2 oz / 62 g

Packaging Info

Package Weight	0.2 lb
Box Dimensions (LxWxH)	5.6 x 3.9 x 0.9"

Additional Information

Brand	Samsung
SKU	MZ-76P2T0E
Weight	1.5000
Color	Black
Storage Type	SSD
Storage Form Factor	2.5"
Storage Capacity	2 TB