

Specification Sheet

Product Type	870 QVO SATA III 2.5" SSD 1TB
Family Line	870 QVO SATA III 2.5" SSD
Capacity	1TB
Interface	SATA 6 Gbps Interface, compatible with SATA 3 Gbps & 1.5 Gbps interfaces
Compatibility	Windows10/Windows 8/Windows 7/Windows Server 2003 (32 bit and 64 bit), Vista (SP1 and above), XP (SP2 and above), MAC OSX and Linux
Speed	Read/write speeds of up to 560/530 MB/s
Encryption	AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)
Product Type	SATA SSD
Storage Type	Internal
Interface	SATA 6 Gb/s Interface
Read/Write Speeds	up to 560/530 MB/s
Usage Application	Client PCs
Capacity	1TB
Sequential Read Speed	Up to 560 MB/s Sequential Read * Performance may vary based on system hardware & configuration
Sequential Write Speed	Up to 530 MB/s Sequential Write * Performance may vary based on system hardware & configuration ** Measured with Intelligent TurboWrite technology being activated
Compatibility	Compatible with SATA 3 Gbps & 1.5 Gbps interfaces
Cache Memory	Samsung 1 GB Low Power DDR4 SDRAM
Trim Support	TRIM Supported
Security	AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)
S.M.A.R.T. Support	S.M.A.R.T Supported
GC (Garbage Collection)	Auto Garbage Collection Algorithm
WWN Support	World Wide Name supported
Device Sleep Mode Support	Yes
Average Power Consumption (system level)	Average: 2.2 W *Maximum: 4.0 W (Burst mode)* Actual power consumption may vary depending on system hardware & configuration
Power consumption (Idle)	Max. 30 mW * Actual power consumption may vary depending on system hardware & configuration
Reliability (MTBF)	1.5 Million Hours Reliability (MTBF)
Shock	1,500 G & 0.5 ms (Half sine)
Dimensions (W x H x D)	3.94" X 2.76 " X 0.27"
Weight	0.19 lbs.
Warranty Product	* Limited warranty up to 3 years or up to the TBW for each capacity ***For more information on the warranty, please visit www.samsung.com/support