

## Samsung 650 Series 2.5" 120 GB Serial ATA III

**Brand :** Samsung

**Product code:** MZ-650120Z

**Product name :** 650 Series

120 GB, SATA III, 2.5"

[Samsung 650 Series 2.5" 120 GB Serial ATA III:](#)



### Experience superb performance for great productivity

The Samsung 650 SSD delivers superb performance for fast boot, install, load and access times. Samsung's TurboWrite Technology creates a high performance buffer that caches incoming write data, which is stored in the SSD during idle times. As a result, the 650 SSD boasts fast sequential read/write speeds and random read/write speeds.

### Designed for rock solid reliability

The Samsung 650 SSD offers impressive durability with no moving parts, making it ideal for those on the go. This helps it to withstand almost any shock and vibration for great reliability.

### Maximise battery life with great energy efficiency

The Samsung 650 SSD is designed to consume low amounts of power during times of peak use to help enable users to work long without having to plug in. It is engineered with a clever 5 mW device sleep mode which helps reduce power consumption so you can maximise your laptop battery life.



Features		Power	
SSD form factor *	2.5"	Operating voltage	5 V
SSD capacity *	120 GB	Power consumption (idle)	0.05 W
Interface *	Serial ATA III	Operational conditions	
Data transfer rate	6 Gbit/s	Operating temperature (T-T)	0 - 70 °C
Read speed	540 MB/s	Storage temperature (T-T)	-40 - 85 °C
Write speed	450 MB/s	Operating shock	1500 G
Random read (4KB)	23000 IOPS	Weight & dimensions	
Random write (4KB)	9000 IOPS	Width	100 mm
S.M.A.R.T. support	✓	Depth	6.8 mm
TRIM support	✓	Height	69.8 mm
Mean time between failures (MTBF)	1500000 h	Weight	42 g
Certification	CE, BSMI, KCC, VCCI, C-Tick, FCC, IC, UL, TUV, CB	Logistics data	
		Harmonized System (HS) code	84717070
		Other features	
		Product colour	Black
		Internal	✓

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