

## Seagate Momentus 500GB SATA II 2.5" 2.5" Serial ATA II

**Brand :** Seagate

**Product family:** Momentus

**Product code:** ST500LM012

**Product name :** 500GB SATA II  
2.5"

500GB, SATA II, 2.5", 3.0 Gbps, 5400 rpm, 8MB Buffer, 107 g

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- ATA Security Mode Feature Set.
- SATA Native Command Queuing Feature.
- ATA S.M.A.R.T. Feature Set.
- TuMR/PMR head with FOD technology.
- SilentSeek™.
- Serial ATA 3.0Gbps Interface Support.
- NoiseGuard™.
- Load/Unload Head Technology.

Seagate Momentus 500GB SATA II 2.5". HDD size: 2.5", HDD capacity: 500 GB, HDD speed: 5400 RPM



Features		Operational conditions	
HDD size *	2.5"	Operating relative humidity (H-H)	5 - 90%
HDD capacity *	500 GB	Storage relative humidity (H-H)	5 - 95%
HDD speed *	5400 RPM	Operating vibration	1.5 G
Interface *	Serial ATA II	Operating altitude	-300 - 3000 m
Type *	HDD	Non-operating altitude	-400 - 15000 m
Component for *	Laptop	Operating shock	325 G
Storage drive buffer size	8 MB	Non-operating shock	750 G
HDD interface transfer rate	3 Gbit/s	Weight & dimensions	
Average seek time	12 ms	Width	100.3 mm
Average latency	5.6 ms	Height	9.5 mm
Power		Depth	69.8 mm
Power consumption (standby)	0.3 W	Weight	107 g
Power consumption (PowerSave)	0.3 W	Packaging data	
Power consumption (read)	2.2 W	User guide	✓
Power consumption (write)	2.2 W	Logistics data	
Operating voltage	5 V	Harmonized System (HS) code	84717050
Start-up current	1 A	Other features	
Operational conditions		Storage capacity	500 MB
Operating temperature (T-T)	5 - 55 °C	Internal	✓
Storage temperature (T-T)	-40 - 70 °C	Drive ready time	4 s
		Supported data transfer rates	1.5 Gbit/s



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