

Samsung 860 PRO 2.5" 256 GB Serial ATA III 3D MLC

Brand : Samsung

Product code: MZ-76P256E

Product name : 860 PRO



- Featuring Samsung's latest 64-layer V-NAND technology to handle the workloads of high-end computing, workstations and NAS
- Minimized lag for gaming and graphics rendering
- Smooth, fast performance to handle multiple heavy workloads at once
- Reliable endurance with an industry warranty up to 4,800 Total Bytes Written (TBW) for 5 years

860 PRO 256GB 2.5" SATA III Client SSD for Business

Samsung 860 PRO. SSD capacity: 256 GB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 530 MB/s, Data transfer rate: 6 Gbit/s, Component for: Server/workstation

Features		Features	
NAND flash type	MLC (Multi Level Cell)	TBW rating	4800
Security algorithms	256-bit AES	Power	
SSD form factor *	2.5"	Power consumption (max)	4.5 W
SSD capacity *	256 GB	Power consumption (average)	2.2 W
Interface *	Serial ATA III	Power consumption (idle)	0.5 W
Memory type *	3D MLC	Power consumption DevSlp (device sleep)	7 mW
Component for *	Server/workstation	Operational conditions	
Data transfer rate	6 Gbit/s	Operating temperature (T-T)	0 - 70 °C
Read speed	560 MB/s	Storage temperature (T-T)	-40 - 85 °C
Write speed	530 MB/s	Operating relative humidity (H-H)	5 - 95%
Random read (4KB)	100000 IOPS	Storage relative humidity (H-H)	5 - 95%
Random write (4KB)	90000 IOPS	Operating shock	1500 G
Controller type	Samsung MJX	Non-operating shock	1500 G
DevSlp (device sleep) support	✓	Weight & dimensions	
S.M.A.R.T. support	✓	Width	100 mm
TRIM support	✓	Depth	6.86 mm
IEEE 1667	✓	Height	69.8 mm
Mean time between failures (MTBF)	2000000 h	Weight	86.18 g
Active garbage collection	✓	Other features	
Opal SSC 2.0	✓	Product colour	Black, Red



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