

Model code		MZ-7PC064D/EU		
Attribute		Short value	Long value	
General Feature	Model Name	Samsung SSD 830 Series	Samsung SSD 830 Series	
	Capacity	64GB	64GB	
	Form Factor	2.5 inch	2.5 inch	
	Dimension (WxHxD)	100 X 69.85 X 7 (mm)	100 X 69.85 X 7 (mm)	
	Weight	Max 61g	Max 61g	
	Interface	SATA 6Gb/s (Compatible with SATA 3Gb/s and SATA 1.5Gb/s)	SATA 6Gb/s (Compatible with SATA 3Gb/s and SATA 1.5Gb/s)	
	Storage Memory	SAMSUNG Toggle DDR NAND Flash memory	SAMSUNG Toggle DDR NAND Flash memory	
	Controller	SAMSUNG 3-core MCX Controller	SAMSUNG 3-core MCX Controller	
	Cache Memory	SAMSUNG 256MB DDR2 SDRAM cache memory	SAMSUNG 256MB DDR2 SDRAM cache memory	
	Software	SAMSUNG Magician software for SSD management	SAMSUNG Magician software for SSD management	
	TRIM Support	Yes	Yes	
	S.M.A.R.T	Yes	Yes	
	GC (Garbage Collection)	Auto	Auto	
	Performance	Sequential Read	Up to 520 MB/s	Up to 520 MB/s
		Sequential Write	Up to 160 MB/s	Up to 160 MB/s
Random Read		Up to 75,000 IOPS	Up to 75,000 IOPS	
Random Write		Up to 16,000 IOPS	Up to 16,000 IOPS	
Environment	Active Power Use	0.127W (Typical)	0.127W (Typical) * Active power is measured during execution of Mobilemark2007 in windows7	
	Idle Power Use	0.078W (Typical)	0.078W (Typical) * DIPM enabled value	
	Allowable Voltage	5V ± 5%	5V ± 5%	
	Reliability (MTBF)	1.5 million hours	1.5 million hours	
	Operating Temperature	0°C to 60°C	0°C to 60°C	
	Shock	1500G	1500G	
Manual Kit	CD #1	Norton Ghost 15.0 Full version	Norton Ghost 15.0 Full version (Data migration software)	
	CD #2	Magician Software, Norton Ghost setup files in multi-language, Quick User Manuals, Interactive Manual	Magician Software, Norton Ghost setup files in multi-language, Quick User Manuals, Interactive Manual	
	Documents	Quick User Manual in English & Korean	Quick User Manual in English & Korean	
Installation Kit	3.5" Bracket with screws, SATA data & power cable	3.5" Bracket with screws, SATA data & power cable		
Warranty	3 years limited warranty	3 years limited warranty		