



# Samsung MZ-V8P2T0BW internal solid state drive M.2 2000 GB PCI Express 4.0 V-NAND MLC NVMe



**Brand :** Samsung

**Product code:** MZ-V8P2T0BW

**Product name :** MZ-V8P2T0BW

- Next-level SSD performance
  - Exceptional speed
  - A powerful combination
- 2TB, M.2, NVMe, PCIe Gen 4.0 x4, V-NAND 3-bit MLC, TRIM, S.M.A.R.T, AES 256-bit, 80.15 x 22.15 x 2.38 mm
- Samsung MZ-V8P2T0BW. SSD capacity: 2000 GB, SSD form factor: M.2, Read speed: 7000 MB/s, Write speed: 5100 MB/s, Component for: PC/notebook



Features		Features	
NVMe version	1.3c	Mean time between failures (MTBF)	1500000 h
Security algorithms	256-bit AES	Harmonized System (HS) code	84717070
SSD form factor *	M.2	<b>Power</b>	
SSD capacity *	2000 GB	Operating voltage	3.3 V
Interface *	PCI Express 4.0	Power consumption (max)	7.2 W
Memory type *	V-NAND MLC	Power consumption (average)	6.1 W
NVMe *	✓	Power consumption (standby)	0.035 W
Component for *	PC/notebook	<b>Operational conditions</b>	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Read speed	7000 MB/s	Maximum operating temperature	70 °C
Write speed	5100 MB/s	Operating shock	1500 G
Random read (4KB)	1000000 IOPS	<b>Weight &amp; dimensions</b>	
Random write (4KB)	1000000 IOPS	Width	80.2 mm
PCI Express interface data lanes	x4	Depth	2.38 mm
S.M.A.R.T. support	✓	Height	22.1 mm
TRIM support	✓	Weight	9 g
		<b>Packaging data</b>	
		Package type	Box



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