

## Samsung PM981 M.2 512 GB PCI Express 3.0 NVMe

**Brand :** Samsung

**Product code:** MZVLB512HAJQ-00000



**Product name :** PM981

- Perfect Storage for Workstations
  - The SSD that goes further
  - Fitting Storage for Best Performance
  - Big Power in a Small Package
  - Best Choice for Mainstream PCs
- PM981, 512 GB, PCI Express Gen3 x4, M.2, 3000/1800 MB/s



Samsung PM981 M.2 512 GB PCI Express 3.0 NVMe:

### Unmatched SSDs for PCs and Workstations

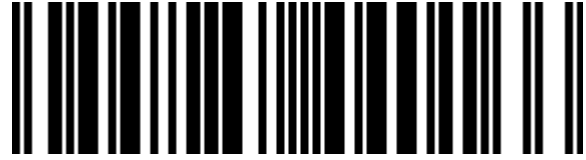
Samsung SSD sets the standard in high-performance storage for PCs with rapid data processing and reliability in compact form factors.

Samsung PM981. SSD capacity: 512 GB, SSD form factor: M.2, Read speed: 3000 MB/s, Write speed: 1800 MB/s, Data transfer rate: 8 Gbit/s, Component for: Laptop

Features		Power	
Security algorithms	256-bit AES	Power consumption (read)	5.9 W
SSD form factor *	M.2	Power consumption (write)	5.7 W
SSD capacity *	512 GB	Power consumption (idle)	0.03 W
Interface *	PCI Express 3.0	<b>Operational conditions</b>	
NVMe *	✓	Operating temperature (T-T)	0 - 70 °C
Component for *	Laptop	Storage temperature (T-T)	-40 - 85 °C
Hardware encryption *	✓	Operating relative humidity (H-H)	5 - 95%
Data transfer rate	8 Gbit/s	Storage relative humidity (H-H)	5 - 95%
Read speed	3000 MB/s	Non-operating vibration	20 G
Write speed	1800 MB/s	Operating shock	1500 G
Random read (4KB)	270000 IOPS	Non-operating shock	1500 G
Random write (4KB)	420000 IOPS	<b>Technical details</b>	
Bytes per sector	512	Sustainability certificates	RoHS
PCI Express interface data lanes	x4	<b>Weight &amp; dimensions</b>	
Mean time between failures (MTBF)	1500000 h	Width	22 mm
TCG Opal 2.0	✓	Depth	80 mm
<b>Power</b>		Height	2.38 mm
Operating voltage	3.3 V	Weight	9 g
Current	2.8 A	<b>Other features</b>	
		Product colour	Green



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