

## Samsung 970 EVO M.2 1 TB PCI Express 3.0 V-NAND MLC NVMe

**Brand :** Samsung

**Product code:** MZ-V7E1T0BW

**Product name :** 970 EVO



- Read/write speeds of 3400/2500 MB/S
  - TBW-600 TB
  - Dynamic Thermal Guard technology
- SSD 970 EVO, 1TB, PCIe Gen 3.0 x4, NVMe 1.3, M.2 (2280), 3.16" x 0.09" x 0.87"  
 Samsung 970 EVO. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 3400 MB/s, Write speed: 2500 MB/s, Component for: PC



Features		Power	
NVMe version	1.3	Operating voltage	3.3 V
Security algorithms	256-bit AES	Power consumption (read)	6 W
SSD form factor *	M.2	Power consumption (write)	6 W
SSD capacity *	1 TB	Power consumption DevSlp (device sleep)	5 mW
Interface *	PCI Express 3.0	<b>Operational conditions</b>	
Memory type *	V-NAND MLC	Operating temperature (T-T)	0 - 70 °C
NVMe *	✓	Non-operating vibration	20 G
Component for *	PC	Operating shock	1500 G
Hardware encryption *	✓	Non-operating shock	1500 G
Read speed	3400 MB/s	<b>Technical details</b>	
Write speed	2500 MB/s	Sustainability certificates	RoHS
Controller type	Samsung Phoenix	<b>Weight &amp; dimensions</b>	
PCI Express interface data lanes	x4	Width	80.2 mm
S.M.A.R.T. support	✓	Depth	22.1 mm
TRIM support	✓	Height	2.38 mm
Mean time between failures (MTBF)	1500000 h	Weight	8 g
Opal SSC 2.0	✓	<b>Logistics data</b>	
TCG Opal 2.0	✓	Harmonized System (HS) code	84717070
		<b>Other features</b>	
		Product colour	Black
		Launch date	4/16/2018



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