



SSD Int 1TB 970 Evo Plus PCIe M.2

DATA SHEET

Product Information

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|-------------|---------------|
| EAN | 8801643628086 |
| Brand | Samsung |
| SKU | 10239214 |
| Manu Part # | MZ-V7S1T0BW |

General

| | |
|------------------------------|-------------------------------|
| Depth (cm) | 0.23 |
| Operating Temperature (°C) | 0 to 70 |
| Depth | 0.23 |
| Height | 2.21 |
| Width | 8.01 |
| Interface Type(s) | PCI Express 3.0 x4 (NVMe 1.3) |
| Electrical Power Consumption | 6 |

| | |
|----------------------------------|---|
| Electrical Power Consumption (W) | 6 |
| Warranty | 5-Year Limited Warranty or 600 TBW Limited Warranty |
| Memory Type(s) | Samsung V-NAND 3-bit MLC |
| Width (cm) | 8.01 |
| Height (cm) | 46 |
| Weight | 0.08 |
| Product Type | Solid State Drive |
| Voltage (V) | 3.3 |
| Barcode | 8801643628086 |
| Shock Operating (g) | 1500 |

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|---------------------|----------|
| Product Comprises | 1 |
| Enclosure type | Internal |
| Total | 1 |
| Drive Capacity (GB) | 1000 |
| Cache Memory (MB) | 1024 |

Performance

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|----------------------------------|-----------|
| Mean Time Between Failure (MTBF) | 1,500,000 |
|----------------------------------|-----------|

System

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|-------------------|---|
| Software Included | Magician Software for SSD management |
| Management | Samsung Phoenix Controller • TRIM Support • S.M.A.R.T Support • Auto Garbage Collection Algorithm |

Storage

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|----------------|------|
| Cache Memory | 1024 |
| Drive Capacity | 1000 |

Security

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|------------|---|
| Encryption | AES 256-bit Encryption (Class 0)TCG/Opal IEEE1667 (Encrypted drive) |
|------------|---|

Physical

| | |
|---------------|-------|
| Case Colour | Black |
| Pack Quantity | 1 |

Product Description

The ultimate in performance, upgraded. Faster than the 970 EVO, the 970 EVO Plus is powered by the latest V-NAND technology and firmware optimisation. It maximises the potential of NVMe bandwidth for unbeatable computing in capacities up to 2TB, with reliability of up to 1,200 TBW. The 970 EVO Plus reaches sequential read/write speeds up to 3,500/3,300 MB/s, up to 53%† faster than the 970 EVO. The latest V-NAND-which brings greater NAND performance and higher power efficiency-along with optimised firmware, a proven Phoenix controller and Intelligent TurboWrite boost. The next advancement in NVMe SSD. The 970 EVO Plus fits up to 2TB onto the compact M.2 (2280) form factor, greatly expanding storage capacity and saving space for other components. Samsung's innovative technology empowers you with the capacity to do more and accomplish more. The new standard in sustainable performance. Get up to 1,200 TBW with a 5-year limited warranty for lasting performance. The 970 EVO Plus provides exceptional endurance powered by the latest V-NAND technology and Samsung's quality. Achieve a new level of drive confidence. Samsung's advanced nickel-coated controller and heat spreader on the 970 EVO Plus enable superior heat dissipation. The Dynamic Thermal Guard automatically monitors and maintains optimal operating temperatures to minimise performance drops. Advanced drive management made simple. The Samsung Magician software will help you keep an eye on your drive. A suite of user-friendly tools helps keep your drive up to date, monitor drive health, check speed and even boost performance.

