980 PRO NVMe™ M.2 SSD 1TB

Features   Specs   Reviews   Support   Compare

£91.00   ADD TO BASKET

1.3c   MLC

General Feature

Application
Client PCsClient PCs

Capacity
1,000GB (1GB=1 Billion byte by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

Form Factor
M.2 (2280)

Interface
PCIe Gen 4.0 x4, NVMe 1.3c

Dimension (WxHxD)
80.15 x 22.15 x 2.38 (mm)

Weight
Max 9.0 g Weight

Storage Memory
Samsung V-NAND 3-bit MLC

Controller
Samsung Elpis Controller

Cache Memory
Samsung 1GB Low Power DDR4 SDRAM

Special Feature

TRIM Support
Supported

S.M.A.R.T Support
Supported

GC (Garbage Collection)
Auto Garbage Collection Algorithm

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

WWN Support
Not supported

Device Sleep Mode Support
Yes

Performance

Sequential Read
Up to 7,000 MB/s * Performance may vary based on system hardware & configuration

Sequential Write
Up to 5,000 MB/s * Performance may vary based on system hardware & configuration

Random Read (4 KB, QD32)
Up to 1,000,000 IOPS * Performance may vary based on system hardware & configuration

Random Write (4KB, QD32)
Up to 1,000,000 IOPS * Performance may vary based on system hardware & configuration

Random Read (4 KB, QD1)
Up to 22,000 IOPS * Performance may vary based on system hardware & configuration

Random Write (4 KB, QD1)
Up to 60,000 IOPS * Performance may vary based on system hardware & configuration

Environment

Average Power Consumption (system level)
*Average: 6.2 W *Maximum: 8.9 W (Burst mode) * Actual power consumption may vary depending on system hardware & configuration

Power consumption (Idle)
Max. 35 mW * Actual power consumption may vary depending on system hardware & configuration

Allowable Voltage
3.3 V ± 5 % Allowable voltage

Reliability (MTBF)
1.5 Million Hours Reliability (MTBF)

Operating Temperature
0 - 70 °C Operating Temperature

Shock
1,500 G & 0.5 ms (Half sine)

Accessories

Installation Kit
Not Available

Software

Management SW
Magician Software for SSD management

Warranty

5-Year Limited Warranty or 600 TBW Limited Warranty

Hide All Specs ∧

★★★★★ 4.4 | 55 Reviews
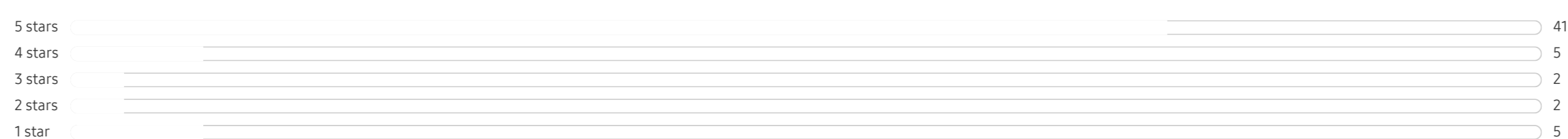42 out of 49 (86%) reviewers recommend this product

WRITE A REVIEW

Reviews

Rating Snapshot
Select a row below to filter reviews.

5 stars		41
4 stars		5
3 stars		2
2 stars		2
1 star		5

Overall Rating

4.4 ★★★★★
55 Reviews

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