



acer RE100 M.2 SSD for faster reading and writing User Manual

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writing User Manual

RE100 M.2 SSD

Acer RE100 M.2 SSD is built with a high-performance controller and high-quality 3D TLC NAND, providing ultra-high speed read and write performance that revitalizes computer systems and meets the needs in various scenarios, including gaming, efficient office work, and remote learning. Designed with full-capacity and built-in backup software, RE100 M.2 provides consumers with more available space and supports mainstream SSD data security technology, making it a storage expansion solution that balances security, high speed and reliability



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>Product Features

Read speeds up to 560 MB/s

With a read speeds of up to 560 MB/s, RE100 M.2 SSD meets the demand for high-speed transfer of large files, significantly reducing the system response time and revitalizing the old PCs as well.

Full capacity and reliable performance

RE100 M.2 SSD features a full-capacity design that provides more available space, higher performance and longer life than other non-standard SSDs to achieve reliable performance after a long time.

Comprehensive data security

As well as offering a free backup software, RE100 M.2 SSD supports dynamic & static wear-leveling, TRIM command, S.M.A.R.T. and ECC. It has superb reliability and durability for data security and privacy.

5-year limited warranty

RE100 M.2 SSD employs a multi-tiered testing system to ensure quality control throughout the design and manufacturing process, and comes with a 5-year limited warranty.

Free Acronis cloning software

Built with Acronis True Image, our customized Acronis version is optimized for our Acer SSDs. It lets you easily transfer data, back-up or clone your data.

>Acer Advantage

Established in 1987, the Acer brand empowers people with the technology to make their mark and the freedom to live their desired lifestyle. Acer-branded products strive to make technology accessible to everyone.

Acer branded storage products are designed and manufactured under official license by BIWIN Storage Technology company, a leading maker of quality flash memory, DRAM memory and solid-state drives (SSD storage devices).

Product Specifications

Capacity	128 GB	256 GB	512 GB	1 TB
Interface	M.2 2280 (Based on SATAIII 6 GB/s)			
Max. Sequential Read Speed (MB/s)	405	560	560	560
Max. Sequential Write Speed (MB/s)	460	517	520	520
Random Read Speed (IOPS)	24 K	54 K	67 K	78 K
Random Write Speed (IOPS)	68 K	78 K	79 K	79 K
Write Power Consumption(W)	1.48	1.90	2.00	2.22
Idle Power Consumption(W)	0.41	0.40	0.40	0.40
Dimensions	80 x 22 x 2.2 mm			
Weight	≤ 10 g			
MTBF	≤ 2,000,000 hours			
Storage Temperature	-40 °C ~ 85 °C / -40 °F ~ 185 °F			
Working Temperature	0 °C ~ 70 °C / 32 °F ~ 158 °F			
Shock Resistant	100 G / 6 sec			
Vibration Resistant	6.0667G RMS (20-2000 Hz)			
Certifications	CE, FCC, RoHS, BSMI, KCC, VCCI, RCM			
Warranty / Support	5-Year / 80 TBW	5-Year / 160 TBW	5-Year / 320 TBW	5-Year / 650 TBW

1. Maintenance and future updates are required throughout product life cycle. Specifications are subject to change without notice.
2. Not all products are sold in all regions of the world.
3. As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating

environment. As used for buffer or cache, one megabytes (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabyte per second (GB/s) = one billion bytes per second.

4. Measured using the MobileMark™ 2012 benchmark with DIPM (Device Induced Power Management) enabled.
5. MTBF = Mean Time Between Failures based on internal testing using Telcordia stress testing standard.
6. Please visit www.acerstorage.com for more details.

Acer Storage Customer Service Hotline in US:
1-866-351-8791

Acer Storage After-sales Service in US:
Email: Storage.SupportUS@acer.com
Chat: Go.Acer.com/US.Storage.Chat

Other Countries:
Email: CS@acerstorage.com



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Documents / Resources



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RE100 M.2, SSD for faster reading, SSD for faster writing

References

- [Chat With Acer Storage Support](#)
- [Acer Storage Official SSD and DRAM Memory](#)

