

# FA100 M.2 SSD

FA100 M.2 SSD is the latest Acer PCIe SSD. Engineered with PCIe Gen3×4 interface, FA100 supports the new-gen NVME 1.4 protocol, comes with read speed of up to 3500 MB/s and write speed of up to 2800 MB/s, and provides excellent reliability and compatibility. Ideal for technology enthusiasts, esports gamers and creative experts.



Sequential read speeds  
up to 3500 MB/s



Random read speeds  
up to 402KIOPS



New-gen protocol  
NVME 1.4



Single-sided panel and  
wide compatibility

## >Product Features

### Read speeds up to 3500 MB/s

FA100 M.2 SSD adopts original high-quality 3D NAND, allows HMB read&write and dynamic simulation SLC cache, and speeds up to 3500 MB/s read. FA100 significantly improves work efficiency and takes the lead in gaming.

### Comprehensive data security

Built with a flagship master controller, FA100 M.2 SSD supports ECC error correction based on 4K LDPC, S.M.A.R.T., and end-to-end data protection. It has superb reliability and durability for data security.

### Ultra-low power consumption

Supporting modern standby and dynamic power management, the maximum power consumption of FA100 2 TB requires only 3.96 W. It enables you to reduce your notebook power consumption to achieve longer battery life.

### 5-year limited warranty

FA100 M.2 SSD 2 TB allows total amount of written data of up to 1200 TBW, comes with a 5-year limited warranty, and provides users with worry-free services.

## >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).

# FA100 M.2 SSD Product Specifications

Capacity	128 GB	256 GB	512 GB	1 TB	2 TB
Interface	PCIe Gen 3.0 x 4, NVMe 1.4				
Max. Sequential Read Speed (MB/s)	1600	3300	3500	3400	3300
Max. Sequential Write Speed (MB/s)	680	1300	2500	2600	2800
Random Read Speed (IOPS)	103K	202K	317K	402K	375K
Random Write Speed (IOPS)	158K	280K	286K	261K	280K
Write Power Consumption (W)	1.76	2.20	2.87	3.86	3.96
Idle Power Consumption (W)	1.01	1.01	1.03	1.03	1.03
Storage Temperature	-40 °C to 85 °C / -40 °F to 185 °F				
Working Temperature	0 °C to 70 °C / 32 °F to 158 °F				
Warranty / Support	5-Year 70 TBW	5-Year 150 TBW	5-Year 300 TBW	5-Year 600 TBW	5-Year 1200 TBW

- Maintenance and future updates are required throughout product life cycle. Specifications are subject to change without notice.
- Not all products are sold in all regions of the world.
- 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.
- Measured using the MobileMark™ 2012 benchmark with DIPM (Device Induced Power Management) enabled.
- MTBF = Mean Time Between Failures based on internal testing using Telcordia stress testing standard.
- Please visit [www.acerstorage.com](http://www.acerstorage.com) for more details.



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