

Acer FA300 PCIe Gen5x4 SSD

The Acer FA300 Gen5 SSD, built on cutting-edge PCIe 5.0 and NVMe 2.0, achieves faster sequential speeds up to 11000 MB/s read and 10000 MB/s write. From editing high-definition videos and rendering complex 3D projects to running massive virtual machines, the FA300 accelerates every task with responsiveness. Experience shorter load times, smoother workflows, and limitless creative potential.



Up to 11000 MB/s Read,
10000 MB/s Write



PCIe Gen5x4,
NVMe 2.0



Enhanced Heat
Dissipation



Reliable Data
Protection

>Product Features

Cool Efficiency, Steady Power

The Acer FA300 combines performance with enhanced power-saving technology. Its optimized architecture reduces heat generation at the source, providing stability even during intensive workloads. By effectively reducing power consumption, it enhances system efficiency and extends battery longevity, enabling laptops to perform at full potential.

Advanced Protection. Reliable Endurance

Safeguard your data with precision. The Acer FA300 integrates LDPC error correction and intelligent wear leveling technology, delivering consistent data integrity and sustained performance across demanding workloads. With endurance of up to 1500 TBW (2 TB model), the FA300 offers dependable durability for long-term use.

One Drive. Endless Possibilities

The Acer FA300 fits seamlessly into your world, from desktop workstations and sleek laptops to gaming consoles like PS5®. Its optimized configuration is designed for effortless installation and stable high-speed performance across multiple devices. Whether for professional workflows, high-performance computing, or immersive gaming, the FA300 brings consistent speeds and reliability with professional performance and everyday versatility in one compact form.

Biwin Intelligence

Biwin Intelligence is a multifunctional storage management software designed to support Acer-branded storage products. With our software, you can easily clone your drive, transfer content, or check on SSD performance. For a more convenient and more secure storage experience, this software helps users manage their drives with features like performance test, data migration, drive cloning, and more.

>Acer Advantage

Established in 1987, the Acer brand empowers people with the technology to make their mark and with 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 (SSDs).

FA300 M.2 SSD Product Specifications

Model Name	Acer FA300	
Form Factor	M.2 2280	
Interface	PCIe Gen5x4, NVMe 2.0	
DRAM Cache	DRAM-Less	
Capacity	1 TB	2 TB
Sequential Read (Up to)	11000 MB/s	11000 MB/s
Sequential Write (Up to)	9700 MB/s	10000 MB/s
Random Read 4K (Up to)	1400K IOPS	1700K IOPS
Random Write 4K (Up to)	1600K IOPS	1700K IOPS
Dimensions	80.00 × 22.00 × 2.50 mm (single-sided)	
Weight	< 10 g	
Operating Temperature	0°C to +70°C	
Storage Temperature	-40°C to +85°C	
MTBF	1,500,000 hours	
Certifications	FCC, CB, CE, UKCA, KCC, VCCI, RCM, BSMI, RoHS	
Warranty	5-Year / 750 TBW	5-Year / 1500 TBW

1. Tested in our labs. Actual performance may vary due to systems, devices, or environment.
2. Maintenance and future updates are required throughout the product lifecycle. Specifications are subject to change without notice.
3. The pictures are for illustration only. Actual products may vary due to product enhancements or changes.
4. Not all products are sold in all regions of the world.
5. 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 the operating environment. As used for buffer or cache, one megabyte (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.
6. Please visit www.acerstorage.com for more details.



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