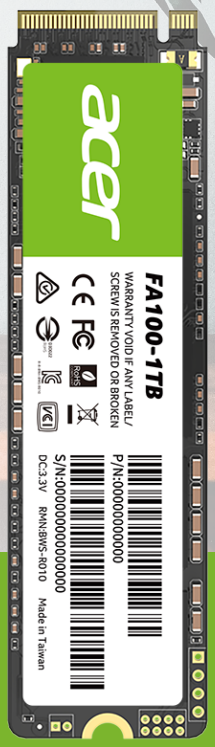
Business Partner

# Acer FA100 M.2 SSD

The FA100 M.2 SSD adopts the PCIe Gen3 ×4 interface and supports the next generation NVME 1.4 protocol. With sequential read and write speeds of up to 3300 MB/s and 2700 MB/s, the FA100 is designed for technology enthusiasts, hardcore gamers and creative office professional who need ultra-fast and higher capacity storage. Strict quality control standards ensure excellent reliability and compatibility-- and allow us to offer a five-year warranty.




**3300MB/s**
High Speed Reading

**379K IOPS**
Highest Random Read

**NVMe 1.4**
New Generation Protocol

**Single Sided Design**
Widely Compatible

## Product Features

### Read speed up to 3300MB/s

This M.2 SSD uses original high-quality 3D NAND wafers, supports HMB read and write and dynamic simulation SLC cache. The sequential reading speed is up to 3300 MB/s which significantly improves work efficiency—and takes the lead in gaming competitions.

### More secure data

The FA100 M.2 SSD uses the industry's flagship master controller solution, supporting error correction technology (ECC) based on 4K LDPC, S.M.A.R.T. function and end-to-end data protection technology. Product performance is significantly optimized, while data security is increased.

### Ultra-low power consumption

FA100 supports many energy-saving technologies such as modern stand-by and dynamic power management. The max power consumption of the 2 TB bare board is only 3.96 W. It can effectively help control the power consumption of notebook storage and even extend notebook battery life.

### 5-year warranty and after-sales service

For example, the 2 TB version of FA100 M.2 is covered by a TBW (Terabytes Written) limited warranty up to 1200 TB and a 5-year after-sales warranty service — for your peace of mind.

## Product Application

FA100 M.2 SSD can be used with the high performance- or gaming notebooks and computers of major mainstream brands (interface adaptation may be required) to meet the data storage needs of the most demanding users, whether you are an office professional, gamer, or creative designer.

# Acer FA100 M.2 SSD

| Capacity | 128GB | 256GB | 512GB | 1TB | 2TB |
|---|---|---|---|---|---|
| Interface | PCIe Gen3.0 x4， NVMe 1.4 | | | | |
| **Performance** | | | | | |
| Max. Sequential Read Speed (MB/s) | 950 | 1950 | 3200 | 3300 | 3150 |
| Max. Sequential Write Speed (MB/s) | 650 | 1300 | 2200 | 2700 | 2600 |
| Max. Random Read Speed (IOPS) | 51K | 100K | 190K | 325K | 379K |
| Max. Random Write Speed (IOPS) | 161K | 273K | 296K | 293K | 280K |
| **Power** | | | | | |
| Working State Max. Power (W) | 1.76 | 2.20 | 2.87 | 3.86 | 3.96 |
| Max. Idle Power (W) | 1.01 | 1.01 | 1.03 | 1.03 | 1.03 |
| **Physical Dimensions** | | | | | |
| Size | 80mm×22mm×2.7mm (Single panel) | | | | |
| Weight | 6.35±3g | | | | |
| **Reliability** | | | | | |
| MTBF | The mean time between failures can reach 2 million hours. | | | | |
| **Environment** | | | | | |
| Storage Temperature | -40~85℃ | | | | |
| Working Temperature | 0~70℃ | | | | |
| Shock Strength | 100 G/6 sec. | | | | |
| Anti-impact Strength | 6.0667 GRMS (20-2000HZ) | | | | |
| Certification | CE、FCC、RoHS、BSMI、KCC、VCCI、RCM | | | | |
| Guarantee/support | 5 years or 70TBW | 5 years or 150TBW | 5 years or 300TBW | 5 years or 600TBW | 5 years or 1200TBW |

1. Continuous maintenance and updates are carried out during the product life cycle. Specifications are subject to change without notice.
2. It is backward compatible with SATA I and II.
3. Products are subject to regional availability.
4. When expressing storage capacity, 1 megabyte (MB) = 1 million bits, 1 gigabyte (GB) = 1 billion bits, and 1 terabyte (TB) = 1 trillion bits. Depending on the operating environment, the total available capacity will vary. When used to indicate a buffer or cache, 1 megabyte (MB) = 1,048,576 bytes. When used to indicate a transfer rate or interface, 1 megabyte per second (MB/s) = 1 million bytes per second, and 1 gigabyte per second (Gb/s) = 1 billion bytes per second.
5. Measured using the MobileMark™ 2012 benchmark test with DIPM (Device Induced Power Management) enabled.
6. MTBF = Mean time between failures based on internal testing using Telcordia stress testing.

**For customer support, please visit:**

www.acerstorage.com/support/

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