



Acer Swift SF113-31

# Performance Results



Benchmarks - excluding HDD



Gaming 12%

Tree trunk ?



Desktop 32%

Sail boat ?



Workstation 15%

Surfboard ?

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### PC Status

Overall this PC is performing as expected (54th percentile). This means that out of 100 PCs with exactly the same components, 46 performed better. The overall PC percentile is the average of each of its individual components.

### Processor

With a below average **single core** score, this CPU can handle email, web browsing and audio/video playback but it will struggle to handle modern 3D games or workstation tasks such as video editing. Finally, with a gaming score of 32.4%, this CPU's suitability for 3D gaming is below average.

### Graphics

2.63% is too low to play 3D **games** or use CAD packages. (Note: general computing tasks don't require 3D graphics)

### Boot Drive

63.7% is a good SSD score. This drive enables fast boots, responsive applications and ensures minimum system IO wait times.

### Memory

4GB is enough RAM to run any version of Windows and although it's sufficient for most games, some will benefit from up to 8GB of RAM. 4GB is also enough for modern file and system caches which allow for a responsive system.

### OS Version

Windows 10 is the most recent version of Windows, and the best to date in our opinion.

System	Acer Swift SF113-31 <a href="#">(all builds)</a>
Motherboard	APL ASAHI_AP
Memory	0.7 GB free of 4 GB @ 1.9 GHz
Display	1920 x 1080 - 32 Bit colors
OS	Windows 10
BIOS Date	20170510
Uptime	12.9 Days
Run Date	Oct 02 '17 at 04:28
Run Duration	100 Seconds
Run User	THA-User
Background CPU	▲ 20%

⚠ Sub-optimal background CPU (20%). High background CPU reduces benchmark accuracy. Find active processes with Windows task manager (CTRL+SHIFT+ESC).

## ✓ PC Performing as expected (54<sup>th</sup> percentile) ?

Actual performance vs. expectations. The graphs show user score (x) vs user score frequency (y).

Processor	Bench ?	Single core ?	Quad core ?	Multi core ?
<p>Intel Pentium N4200                      282 User benchmarks - Average bench 31%                      U3E1, 1 CPU, 4 cores, 4 threads                      Base clock 1.1 GHz, turbo 2.15 GHz (avg)                      ✓ Performing as expected (52<sup>nd</sup> percentile) ?</p>	<p>32.4%</p> <p>Below average</p>	<p>SC Int 51                      SC Float 48.2                      SC Mixed 49.9</p> <p>40% 49.7 Pts</p>	<p>QC Int 144                      QC Float 158                      QC Mixed 164</p> <p>35% 155 Pts</p>	<p>MC Int 128                      MC Float 123                      MC Mixed 123</p> <p>19% 125 Pts</p>
<p>Poor: 17%    ↑    Great: 38%</p> <p>This bench: 32.4%</p>				

Graphics Card	Bench ?	3D DX9 ?	3D DX10 ?	3D DX11 ?
<p>Intel HD Graphics                      307 User benchmarks - Average bench 3%                      Acer(1025 1190) 1GB                      Driver: igdumd64 Ver. 21.20.16.4599                      ✓ Performing above expectations (74<sup>th</sup> percentile) ?</p>	<p>2.63%</p> <p>Terrible</p>	<p>Lighting 8.8                      Reflection 8.4                      Parallax 6.4</p> <p>2% 7.87 fps</p>	<p>MRender 6                      Gravity 5.9                      Splating 8.4</p> <p>3% 6.77 fps</p>	
<p>Poor: 1%    ↑    Great: 4%</p> <p>This bench: 2.63%</p>				

**SSD** Liteon CV3-8D128 128GB  
 547 User benchmarks - Average bench 75%  
 81GB free  
 Firmware: T87A101 Max speed: SATA 3.0 600 MB/s  
 SYSTEM NCQ 4KALIGNED SSD TRIM S.M.A.R.T  
 ⚠ Performing below expectations (23<sup>rd</sup> percentile)

Read 444	4K Read 13.2	DQ Read 41.9
Write 438	4K Write 31.2	DQ Write 84.4
Mixed 350	4K Mixed 13.6	DQ Mixed 13.4
92% 411 MB/s	54% 19.3 MB/s	24% 46.6 MB/s

Poor: 53% ↑ This bench: 63.7% Great: 95%

**Memory Kit** Bench Multi core Single core Latency

**Memory Kit** Micron 2x2GB  
 304 User benchmarks - Average bench 26%  
 2 of 2 slots used  
 4GB DIMM DDR3 clocked @ 1866 MHz  
 ✓ Performing above expectations (65<sup>th</sup> percentile)

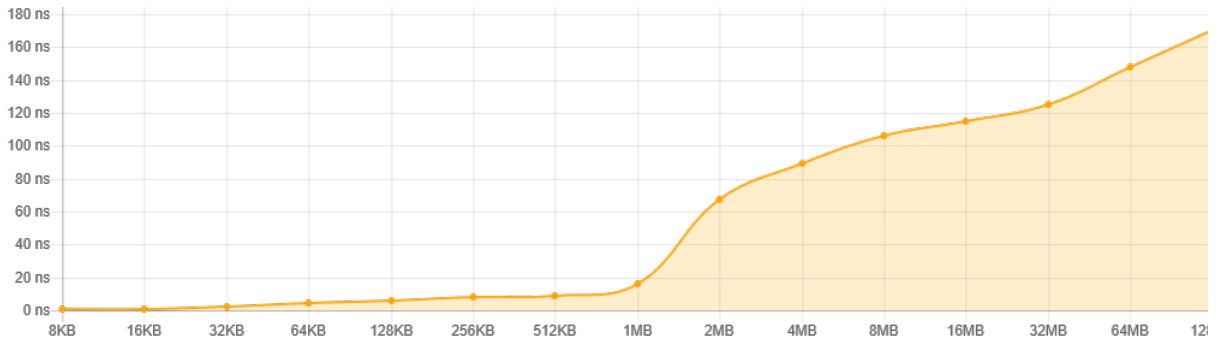
MC Read 9.7	SC Read 3	Latency 171
MC Write 12.8	SC Write 4.4	24% 171 ns
MC Mixed 10.6	SC Mixed 4.2	
32% 11 GB/s	11% 3.87 GB/s	

Poor: 11% ↑ This bench: 28.4% Great: 51%

📄 Take a copy of your results </> 🌐

### 🕒 System Memory Latency Ladder ?

L1/L2/L3 CPU cache and main memory (DIMM) access latencies in nano seconds.



### 🎮 PC Games

Compare your in-game performance to other users with your hardware: HD Graphics, Display(LM133LF5L01), 1280 x 720, 59 Hz.

1. Pick a game that you play on this PC.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overwatch	Counter-Strike: Glob...	Battlefield 1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battlefield 4	DOTA 2	Fallout 4
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. What settings do you play on?

Settings Low Med High Max



Avg. fps

MORE GAMES

SUBMIT YOUR FPS

### Custom PC Builder (Explore upgrades for this PC)

Build your perfect PC: compare component prices, popularity, speed and value for money.

#### CHOOSE AN UPGRADE:

- CPU
- GPU
- SSD
- HDD
- RAM
- MBD

### Typical Swift SF113-31 Builds (Compare 14 builds)

See popular component choices, score breakdowns and rankings.



Gaming 12%

Tree trunk



Desktop 31%

Sail boat



Workstation 16%

Surfboard

System: Acer Swift SF113-31

#### CPU

Pentium N4200  
Intel  
Bench 31%, 282 samples

10x

Celeron N3350  
Intel  
Bench 20%, 268 samples

3x

Celeron N3450  
Intel  
Bench 28%, 213 samples

1x

#### GPU

HD Graphics  
Intel  
Bench 3%, 307 samples

10x

HD Graphics  
Intel  
Bench 2%, 578 samples

4x

#### SSD

RBUSNS8180DS3128GH  
128GB  
Kingston  
Bench 73%, 338 samples

4x

DF4064 63GB  
Sandisk  
Bench 19%, 303 samples

4x

CV3-8D128 128GB  
Liteon  
Bench 75%, 547 samples

2x

#### RAM

2x2GB  
Micron  
Bench 26%, 304 samples

13x

2x2GB  
Hynix  
Bench 46%, 1,029 samples

1x

EDIT WITH CUSTOM PC BUILDER



# The Best.

CPU

Intel Core i7-7700K \$295

GPU

Nvidia GTX 1070 \$410

SSD

Samsung 850 Evo 250GB \$97

HDD

- Seagate Barracuda 1TB (2016) \$45
- Seagate Barracuda 3TB (2016) \$77
- Seagate Barracuda 2TB (2016) \$67

RAM

- G.SKILL Trident Z DDR4 3200 C14 4x16GB \$750
- Corsair Vengeance LPX DDR4 3000 C15 2x8GB \$160
- HyperX Fury DDR4 2133 C14 2x8GB \$141

USB

- SanDisk Extreme 64GB \$33
- SanDisk Extreme 32GB \$22
- SanDisk Extreme 16GB \$20

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