

Topton N200 Windows 11 benchmarks

CPU-Z

<https://valid.x86.fr/wwumel>

<https://valid.x86.fr/wq31is>

single thread	multu thread
331	1404
362	1395

CPU-Z - ID : vq31is

CPU

Mainboard

Memory

SPD

Graphics

Bench

About

Processor

Name

Intel N200

Code Name

Alder Lake

Max TDP

6.0 W

Package

Socket 1744 FCBGA

Technology

10 nm

Core Voltage

0.748 V

intel

INSIDE

Specification

Intel® N200

Family

6

Model

E

Stepping

0

Ext. Family

6

Ext. Model

BE

Revision

N0

Instructions

MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, AES, AVX, AVX2, AVX-VNNI, FMA3, SHA

Clocks (Core #0)

Core Speed

498.78 MHz

Multiplier

x 5.0 (4.0 - 37.0)

Bus Speed

99.76 MHz

Rated FSB

Cache

L1 Data

4 x 32 KBytes

8-way

L1 Inst.

4 x 64 KBytes

8-way

Level 2

2 MBytes

16-way

Level 3

6 MBytes

12-way

Selection

Socket #1

Cores

4

Threads

4

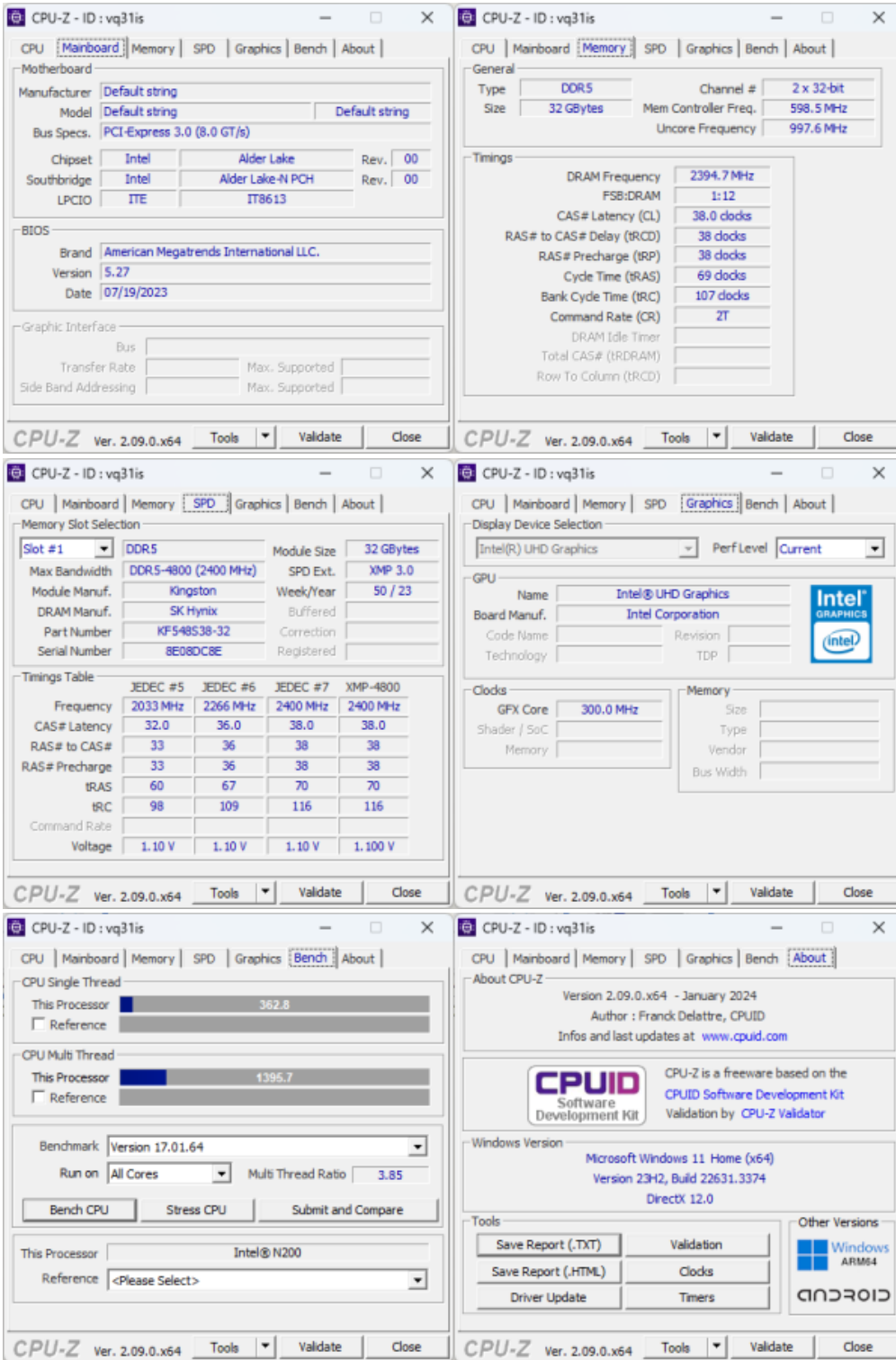
CPU-Z

Ver. 2.09.0.x64

Tools

Validate

Close



GPU-Z

TechPowerUp GPU-Z 2.58.0

Graphics Card

Sensors

Advanced

Validation

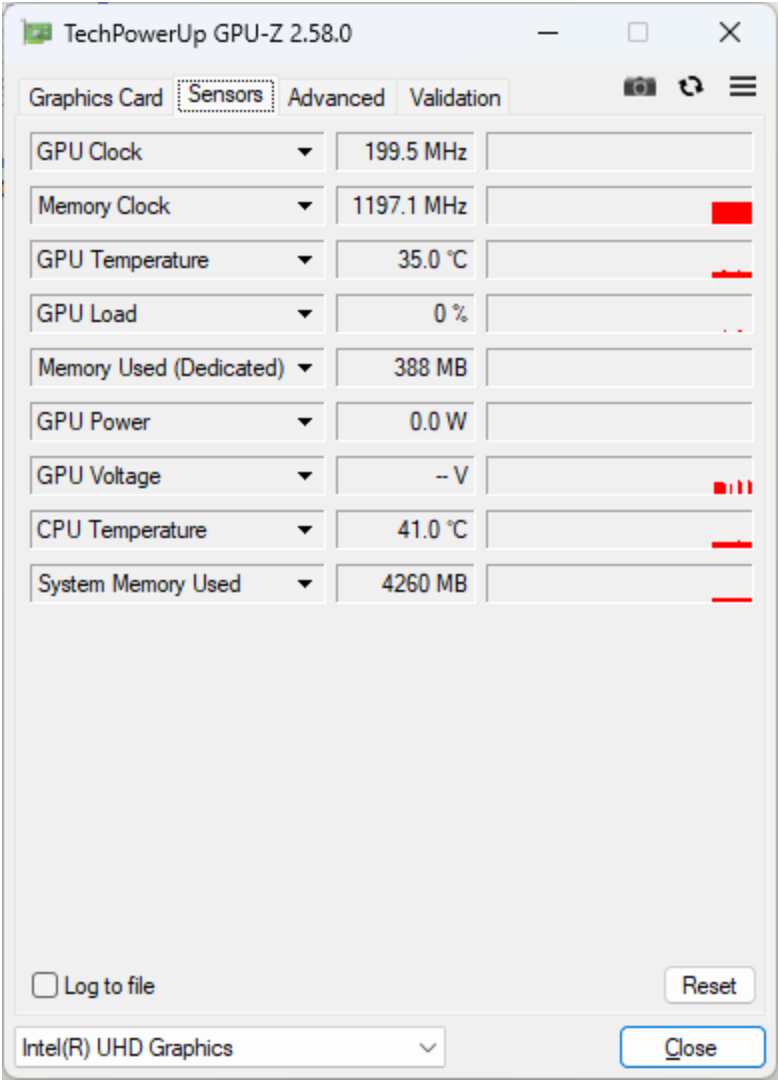
Lookup

intel

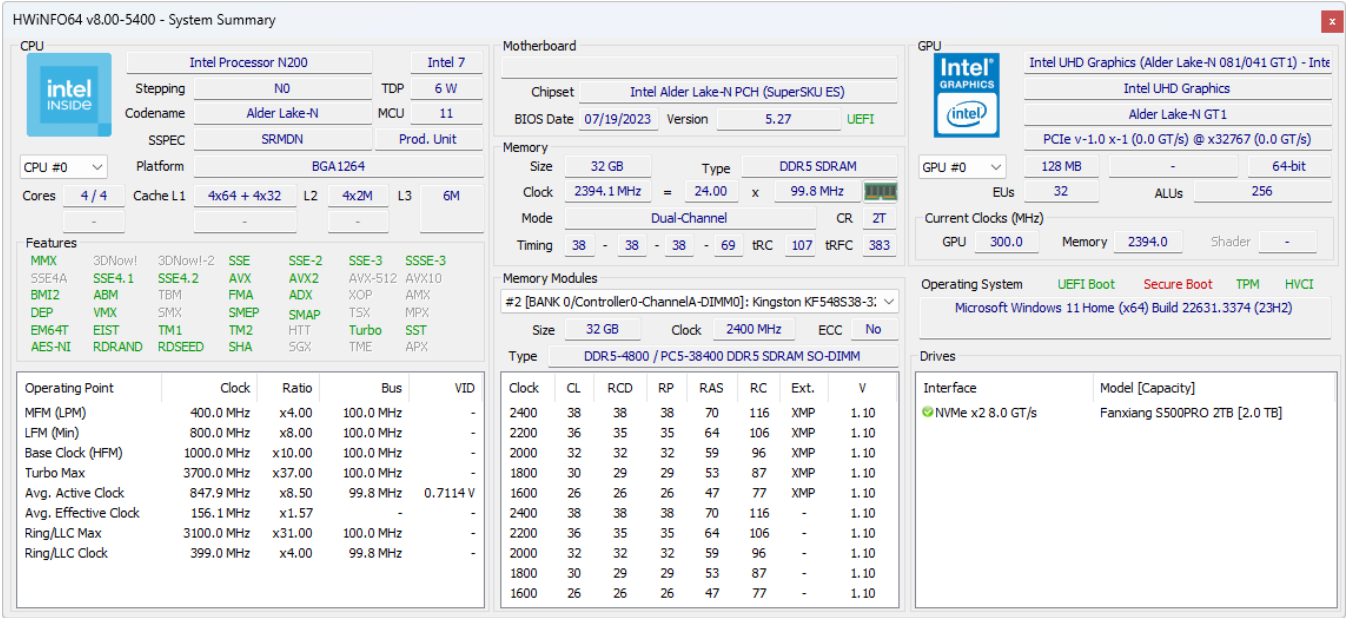
Name	Intel(R) UHD Graphics		
GPU	Gracemont	Revision	N/A
Technology	10 nm	Die Size	Unknown
Release Date	Feb 23, 2022	Transistors	Unknown
BIOS Version	21.0.1065		UEFI
Subvendor	Intel	Device ID	8086 46D0 - 8086 7270
ROPs/TMUs	8 / 16	Bus Interface	N/A ?
Shaders	32 Unified	DirectX Support	12 (12_1)
Pixel Fillrate	6.0 GPixel/s	Texture Fillrate	12.0 GTexel/s
Memory Type	DDR5	Bus Width	256 bit
Memory Size	N/A	Bandwidth	153.2 GB/s
Driver Version	31.0.101.5186 DCH / Win11 64		
Driver Date	Jan 18, 2024	Digital Signature	WHQL
GPU Clock	449 MHz	Memory	1197 MHz
		Boost	748 MHz
Default Clock	450 MHz	Memory	1200 MHz
		Boost	750 MHz
Multi-GPU	Disabled	Resizable BAR	Enabled
Computing	☒ OpenCL	☐ CUDA	☒ DirectCompute
			☒ DirectML
Technologies	☒ Vulkan	☐ Ray Tracing	☐ PhysX
			☒ OpenGL 4.6

Intel(R) UHD Graphics

Close



HWiNFO64

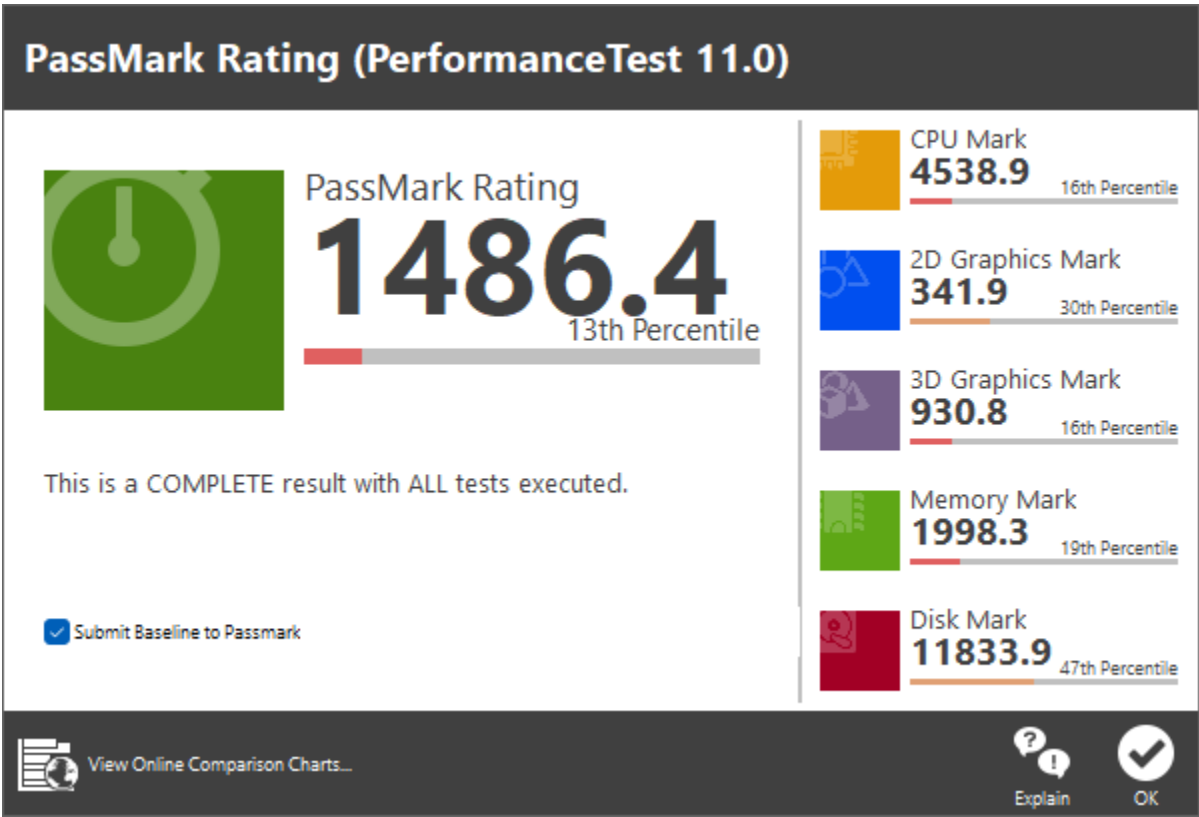


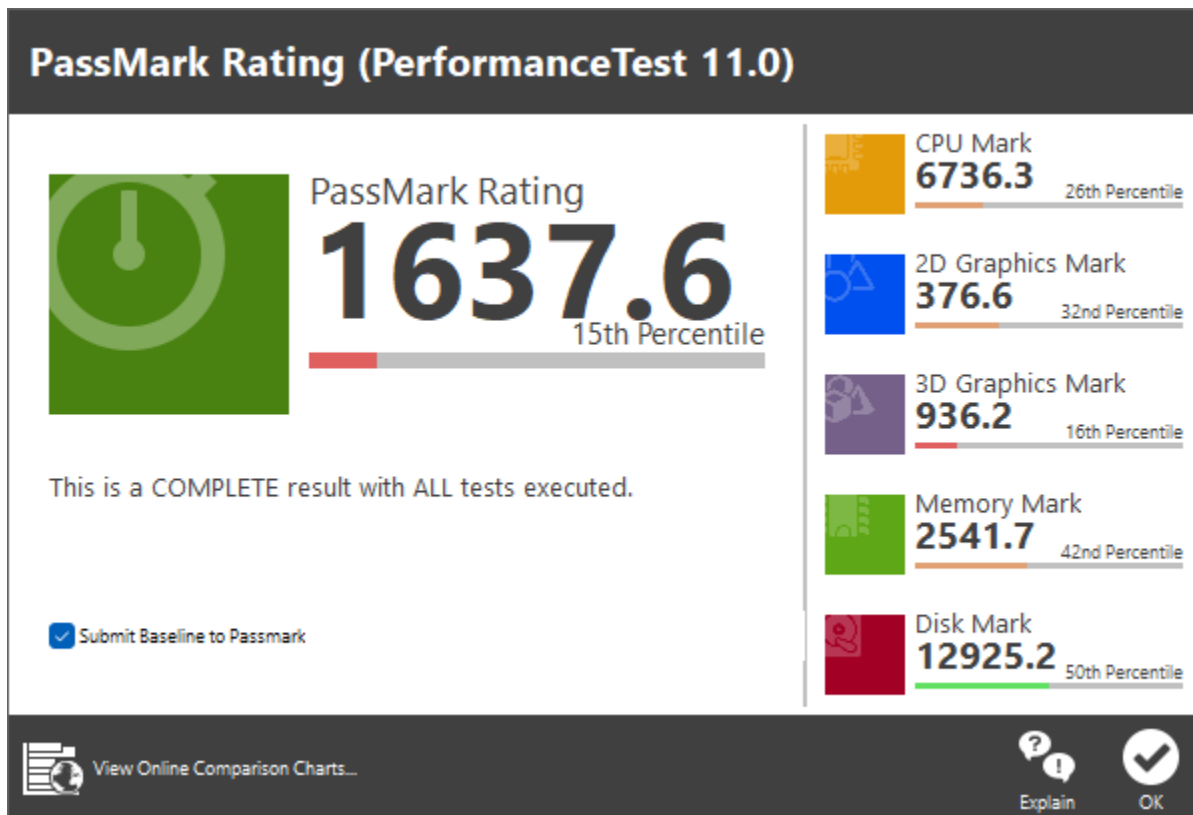
Passmark 11

<https://www.passmark.com/baselines/V11/display.php?id=206752931842> (256 SSD / 16GB DDR5)

<https://www.passmark.com/baselines/V11/display.php?id=207113224736> (2TB SSD / 32GB DDR5)

Passmark	CPU	2D	3D	MEM	SSD
1486	4538	341	930	1998	11833
1637	6736	376	936	2541	12925



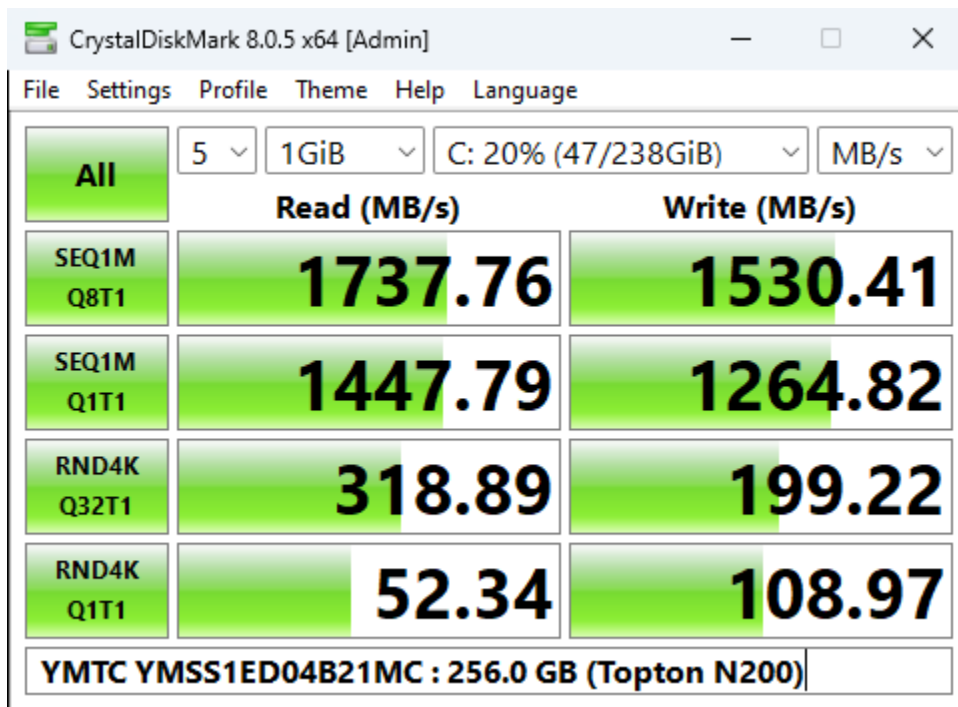


Geekbench 6

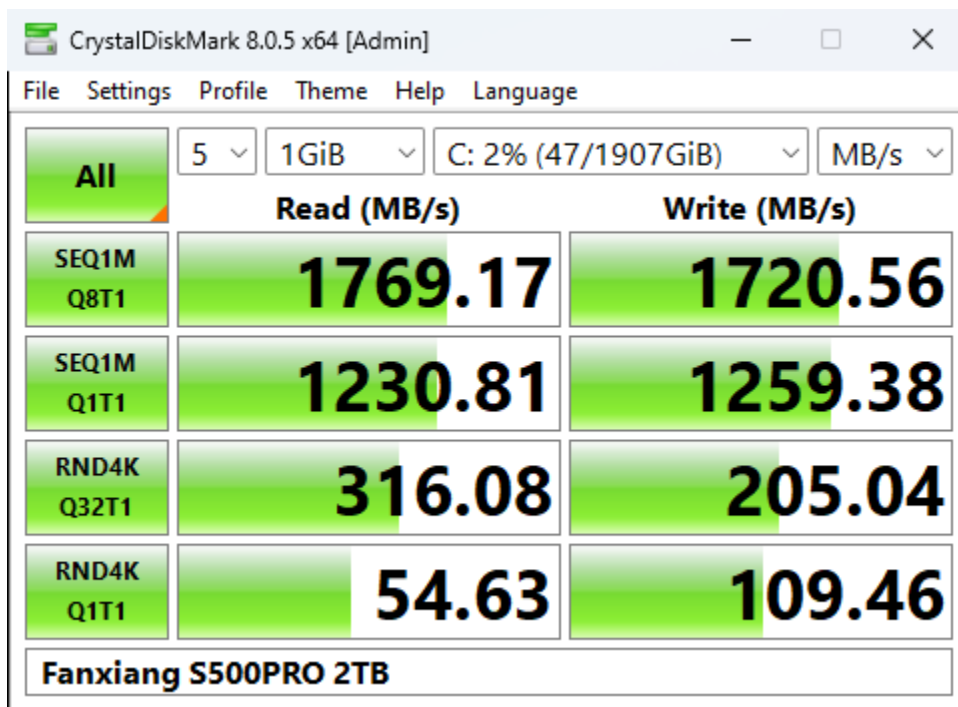
single core	multi core	OpenCL	Vulkan
1094	2520	3871	4482

Crystal DiskMark

for GUDGA PC210-256 2242 (YMTC YMSS1ED04B21M)



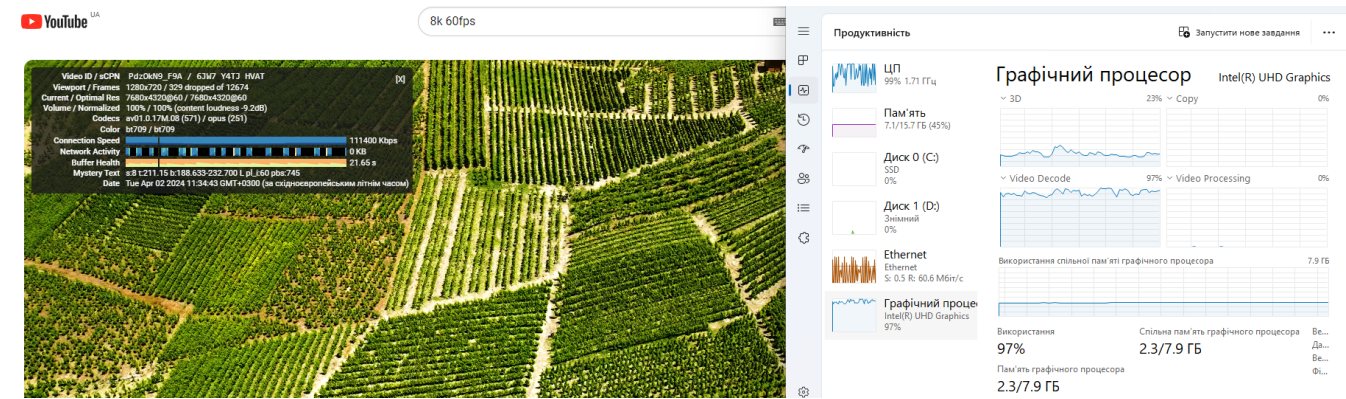
for Fanxiang S500PRO 2TB



Youtube AV1 8K 60fps

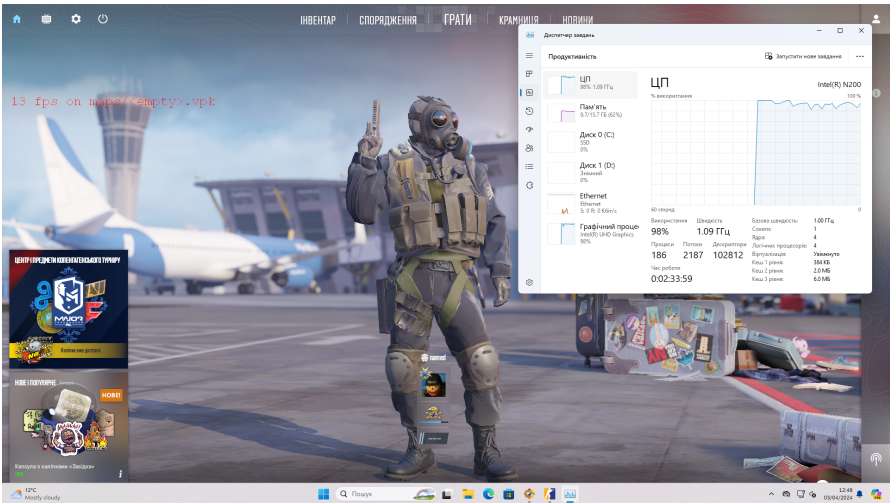
2% frame drop

329 frames dropped from 12674 (with CPU ~100% at 1.7 GHz and GPU ~100% load)



Counter Strike 2

with lowest graphics settings ~ 20 FPS



3DMark CPU Profile (v1.0)

(256 SSD / 16GB DDR5)

1 thread	2 threads	4 threads	8 threads	16 threads	Max
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321	522	802	778	778	771
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3D Mark Storage benchmark (v1.0)

for YMTC 256GB

<https://www.3dmark.com/strg/135921>

Score
880

3DMark VRS feature test (v1.1)

VRS off	VRS on	gain
23.07 fps	38.20 fps	65.6%

3DMark VRS feature test (tier 1) (v1.1)

<https://www.3dmark.com/vrs/92080>

VRS off	VRS on	gain
7.06 fps	13.62 fps	93%

3DMark Sampler Feedback feature test (v1.0)

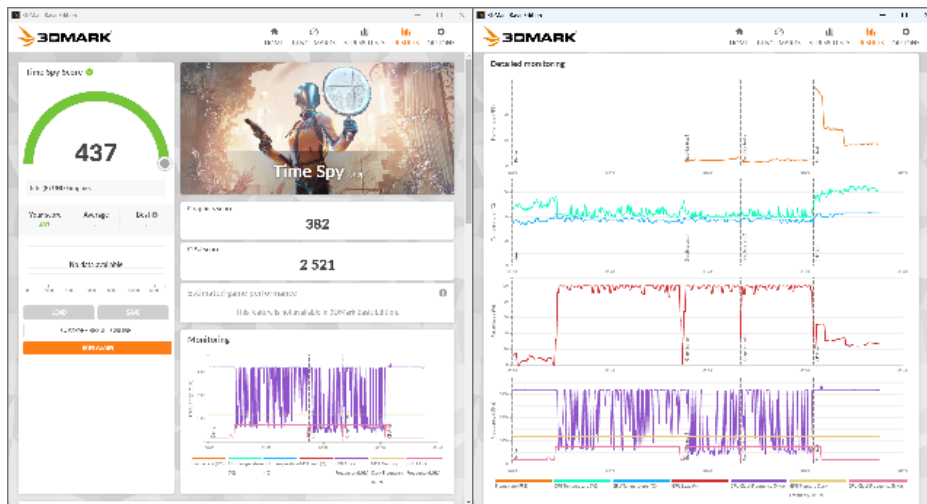
<https://www.3dmark.com/sf/104984>

SF off	SF on	gain
10.89 fps	13.89 fps	27.5%

3DMark Time Spy (v1.2)

16/256 and 32/2048

Score	Graphics	CPU
369	324	1868
437	382	2521

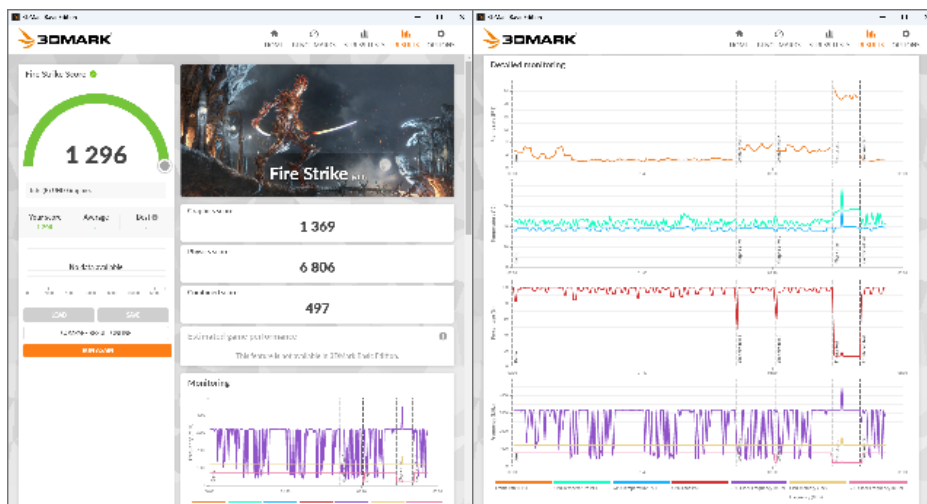


3DMark Fire Strike (v1.1)

<https://www.3dmark.com/fs/31630739>

<https://www.3dmark.com/fs/31630699>

Score	Graphics	Physics	combined
1270	1373	4262	487
1296	1369	6806	497
1266	1364	4562	483



3DMark Wild Life (v1.0)

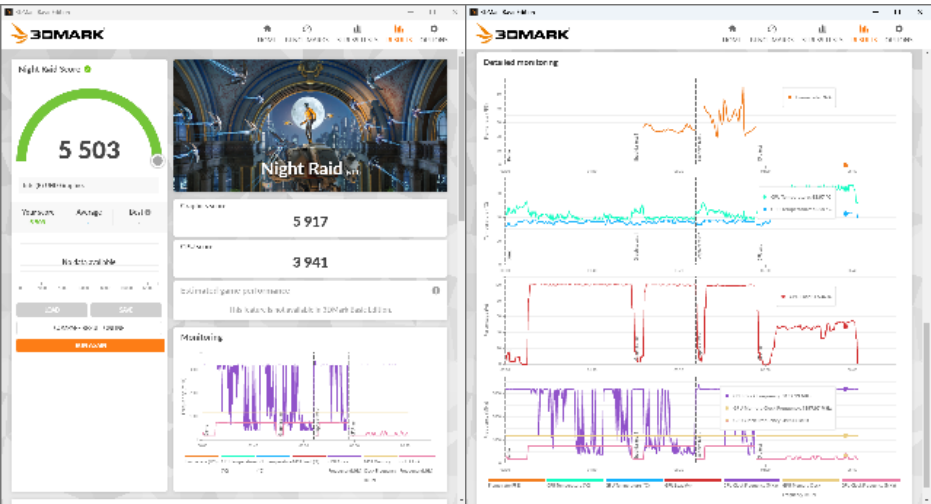
<https://www.3dmark.com/wl/385066>

Score
3439

3DMark Night Raid (v1.1)

<https://www.3dmark.com/nr/1097460>

Score	Graphics	CPU
4649	5889	2121
4699	5866	2210
5503	5917	3941
5286	5882	3359



3DMark Wild Life Extreme (v1.0)

Score
976

3DMark Fire Strike Extreme (v1.1)

<https://www.3dmark.com/fs/31630313>

<https://www.3dmark.com/fs/31630788>

Score	Graphics	Physics	combined
607	615	4544	254
623	630	4619	263

3DMark Wild Life Extreme Unlimited (v1.0)

<https://www.3dmark.com/wl/385166>

Score
938

PCMARK 10

https://www.3dmark.com/pcm10/109988578

PCMARK	Essential	Productivity	Digital content
2947	6892	3993	2525
2983	6888	4072	2569

PCMARK 10 Extended

https://www.3dmark.com/pcm10exb/230422

https://www.3dmark.com/pcm10exb/230426

PCMARK	Essential	Productivity	Digital content	Gaming
2349	6881	4199	2576	1106
2342	6818	4188	2567	1110

PCMark 10 Advanced Edition

PCMARK[®]10

HOME

BENCHMARKS

RESULTS

OPTIONS

Valid score

?

Topton N200 fanless

View Result Online

Compare

Options

Close

PCMark 10 Extended

PCMARK 10 EXTENDED

2 342

Essentials

6 818

> App Start-up Score

7 977

> Video Conferencing Score

6 250

> Web Browsing Score

6 358

Productivity

4 188

> Spreadsheets Score

3 781

> Writing Score

4 640

Digital Content Creation

2 567

> Photo Editing Score

3 292

> Rendering and Visualization Score

1 662

> Video Editing Score

3 095

Gaming

1 110

> Graphics score

1 414

> Physics score

6 798

> Combined score

505

PCMark 10 Extended

PCMARK 10 EXTENDED

2 349

Essentials	6 881	Productivity	4 199	Digital Content Creation	2 576	Gaming	1 106
▼ App Start-up Score	7 999	▼ Spreadsheets Score	3 747	▼ Photo Editing Score	3 301	▼ Graphics score	1 405
Writer warm start	2.768 s	Open document	1.632 s	Color adjusting	6.203 s	Graphics test 1	6.46 FPS
Writer cold start	3.330 s	Copy data and compute	2.124 s	Unsharp mask 1	5.032 s	Graphics test 2	5.80 FPS
GIMP warm start	3.468 s	Copy plain data	2.668 s	Noise adding	0.908 s	▼ Physics score	6 946
GIMP cold start	3.678 s	Copy formulas	1.135 s	Gaussian blur	1.150 s	Physics test	22.05 FPS
Chromium warm start	0.805 s	Copy data and compute 2	3.341 s	Local contrast	38.479 s	▼ Combined score	505
Chromium cold start	0.948 s	Edit cells	1.227 s	Wavelet denoise	5.374 s	Combined test	2.35 FPS
Firefox warm start	1.543 s	Save document	2.266 s	Unsharp mask 2	2.700 s		
Firefox cold start	1.695 s	Recalculate Building design CPU	0.751 s	Thumbnail loading	0.315 s		
▼ Video Conferencing Score	6 312	Recalculate Stock history CPU	1.477 s	Save PNG	21.884 s		
Playback private CPU	29.99 FPS	Recalculate Monte Carlo OpenCL	154.238 s	Save JPEG	1.631 s		
Face detect private CPU	31.76 FPS	Recalculate Energy market OpenCL	50.497 s	Batch transformation	59.524 s		
Playback private OpenCL	30.13 FPS	▼ Writing Score	4 707	▼ Rendering and Visualization Score	1 677		
Encode private OpenCL	20.45 FPS	Load document	1.818 s	Graphics	17.92 FPS		
Face detect private OpenCL	94.81 FPS	Save document	1.532 s	Ray tracing	79.376 s		
Playback group CPU	30.00 FPS	Add pictures to document	0.755 s	► Video Editing Score	3 088		
Face detect group CPU	7.31 FPS	Copy and paste	0.150 s				
Playback group OpenCL	29.99 FPS	Cut and paste	0.493 s				
Encode group OpenCL	17.14 FPS						
Face detect group OpenCL	22.01 FPS						
► Web Browsing Score	6 453						



Superposition benchmark (v1.1)

8K DX optimised	1080 DX extreme	1080p OpenGL medium	1080p DX medium
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148	255	847	868
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SUPERPOSITION
BENCHMARK

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RESULTS (8K OPTIMIZED)

Settings

Version: 1.1
Graphics API: DirectX
Resolution: 7680 x 4320
Fullscreen: Enabled
Shaders: 8K Optimized
Textures: High
DOF: disabled
Motion Blur: enabled

148
[Compare results online](#)

FPS: Min 1.01, Avg 1.11, Max 1.19
GPU °C: N/A

Configuration

CPU: Intel N200 @ 1000 MHz (Actual)
RAM: 32 GB
GPU: Intel UHD Graphics 16 GB
OS: Windows 10 (build 22631)

UNIGINE 2
engine of virtual worlds

SAVE
PUBLISH

SUPERPOSITION
BENCHMARK

← BACK

RESULTS (1080P EXTREME)

Settings

Version: 1.1
Graphics API: DirectX
Resolution: 1920 x 1080
Fullscreen: Enabled
Shaders: Extreme
Textures: High
DOF: enabled
Motion Blur: enabled

255
[Compare results online](#)

FPS: Min 1.44, Avg 1.91, Max 2.13
GPU °C: N/A

Configuration

CPU: Intel N200 @ 1000 MHz (Actual)
RAM: 32 GB
GPU: Intel UHD Graphics 16 GB
OS: Windows 10 (build 22631)

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BENCHMARK

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RESULTS (1080P MEDIUM)

Settings

Version: 1.1
Graphics API: OpenGL
Resolution: 1920 x 1080
Fullscreen: Enabled
Shaders: Medium
Textures: Medium
DOF: enabled
Motion Blur: enabled

847
[Compare results online](#)

FPS: Min 5.42, Avg 6.34, Max 7.94
GPU °C: N/A

Configuration

CPU: Intel N200 @ 1000 MHz (Actual)
RAM: 32 GB
GPU: Intel UHD Graphics 16 GB
OS: Windows 10 (build 22631)

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PUBLISH



RESULTS (1080P MEDIUM)

Settings

Version: 1.1
Graphics API: DirectX
Resolution: 1920 x 1080
Fullscreen: Enabled
Shaders: Medium
Textures: Medium
DOF: enabled
Motion Blur: enabled

868

[Compare results online](#)

FPS: Min 5.55, Avg 6.49, Max 8.11
GPU °C: N/A

Configuration

CPU: Intel N200 @ 1000 MHz (Actual)
RAM: 32 GB
GPU: Intel UHD Graphics 16 GB
OS: Windows 10 (build 22631)



SAVE

PUBLISH