



# A380 6GD6 4H

PCI-Express 显卡  
USER' Manual V10

## USER'S MANUAL 用户手册

## 声明

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## 安全须知

1	产品使用前，务必仔细阅读产品说明书。
2	对未准备安装的板卡，应将其保存在防静电保护袋中。
3	在从包装袋中拿板卡前，应将手先置于接地金属物体上一会儿，以释放身体及手中的静电。
4	在拿板卡时，需佩带静电保护手套，并且应该养成只触及边缘部份的习惯。
5	主板与电源连接时，请确认电源电压。
6	为避免人本被电击或产品被损坏，在每次对主板、板卡进行拔插或重新配置时须先关闭交流电源或将交流电源线从电源插座中拔掉。
7	在对板卡进行搬动前，先将交流电源线从电源插座中拔掉。
8	当您需连接或拔除任何设备前，须确定所有的电源线事先已被拔掉。
9	为避免频繁开关机对产品造成不必要的损伤,关机后,应至少等待30秒后再开机。
10	设备在使用过程时出现异常情况，请找专业人员处理。

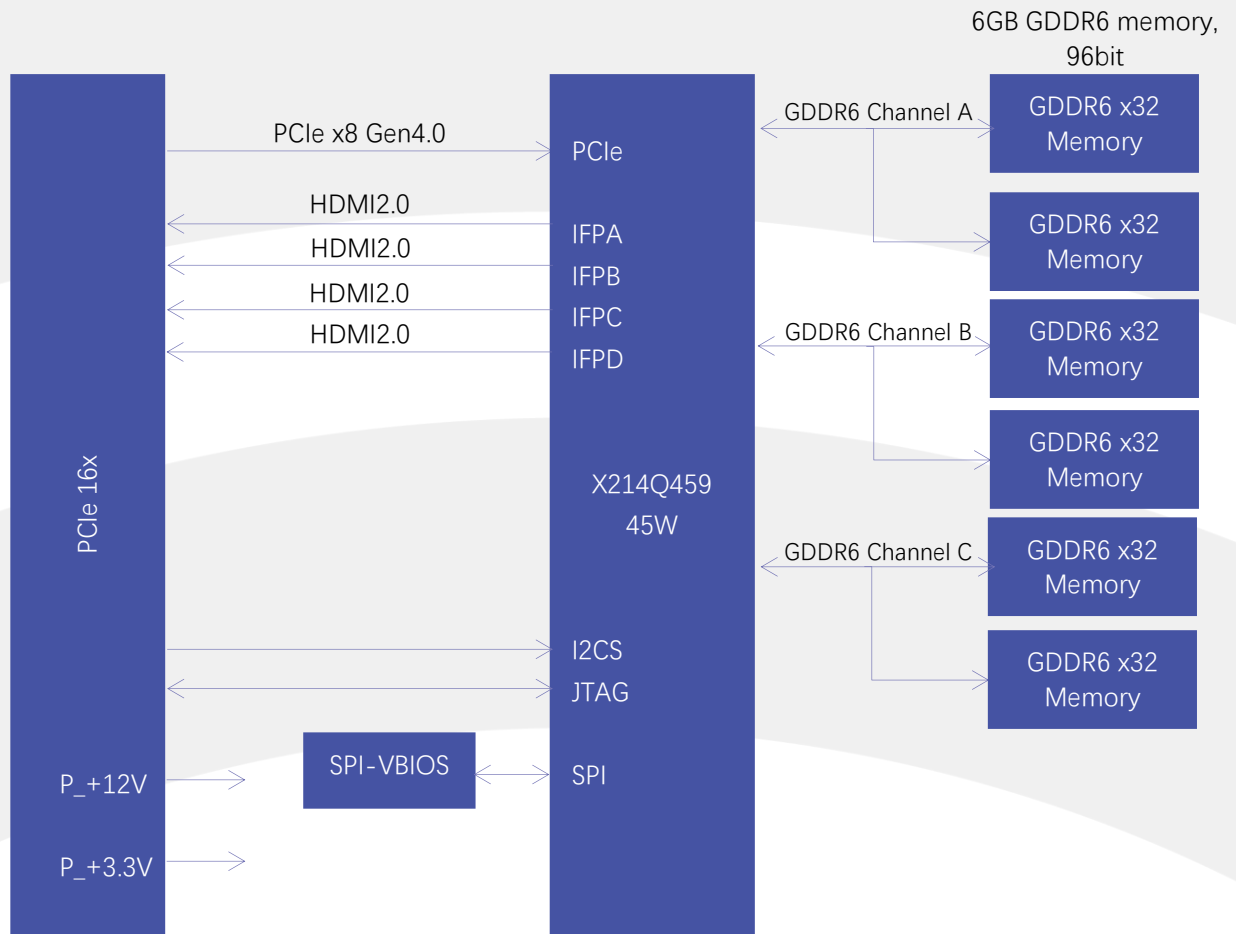
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## 1.Specification

Model	A380 6GD6 4H
<b>Graphics Processing Unit</b>	Intel Arc A380
<b>Shader</b>	128SP
<b>Memory Size</b>	6GB 96bit GDDR6
<b>Graphics Clock</b>	2150MHz
<b>Memory Clock</b>	2000MHz (8.0Gbps)
<b>Memory Bandwidth</b>	192GB/s
<b>Single Precision FLOPS</b>	3966GFLOPS
<b>Interface</b>	PCI-Express 4.0 16x(by 8x)
<b>Board Dimensions</b>	SFF/2 Slot (165*70*37mm)
<b>Display Features</b>	4 x HDMI2.0
<b>Single Resolution</b>	HDMI:4096*2160@60Hz
<b>Board Power</b>	45W
<b>External Power</b>	N/A
<b>Operation System</b>	Windows 10 64bit · Windows 11 · Linux 64bit
<b>Operating Temperature</b>	0~45°C(Option -20°C)
<b>Storage Temperature</b>	-20~75°C
<b>Operating Humidity</b>	0~95% (non-condensing)
<b>Storage Humidity</b>	10~90%
<b>OpenGL</b>	4.6
<b>OpenCL</b>	1.2
<b>DirectX</b>	12
<b>Video Playback</b>	H.265, VC1, MPEG2 1080P

### 3. Block Diagram



### 4. Combined Display

Landscape	Portrait
2x1(3840x1080@60Hz)	2x1(2160x1920@60Hz)
1x2(1920x2160@60Hz)	1x2(1080x3840@60Hz)
3x1(5760x1080@60Hz)	3x1(3240x1920@60Hz)
1x3(1920x3240@60Hz)	1x3(1080x5760@60Hz)
4x1(7680x1080@60Hz)	4x1(1080x7680@60Hz)
1x4(7680x1080@60Hz)	1x4(1080x7680@60Hz)
2x2(3840x2160@60Hz)	2x2(2160x3840@60Hz)

*\*Total resolution based on every display resolution is 1920\*1080@60Hz.*

## 5. Performance

Benchmark	Score
3Dmark 13	FS:10456
	FSE:4773
	FSU:2198
3Dmark 11	E20360
	P14164
	X4603
3Dmark Vantage	45316
鲁大师	137712
Heaven	1411

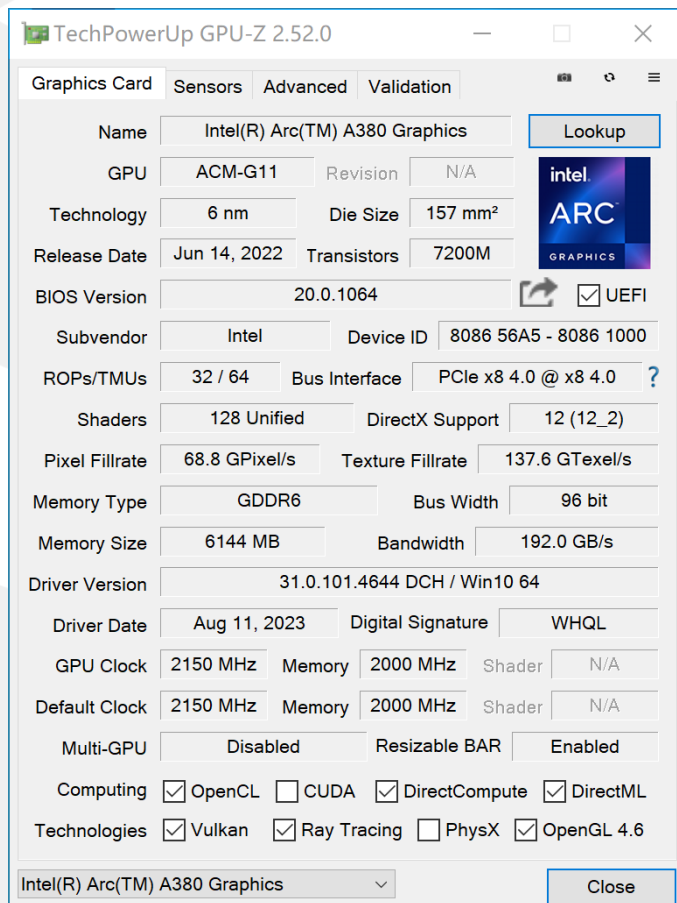
## 6. Driver

Windows 11: [https://downloadmirror.intel.com/788440/gfx\\_win\\_101.4824.exe](https://downloadmirror.intel.com/788440/gfx_win_101.4824.exe)

Windows 10 64bit: [https://downloadmirror.intel.com/788440/gfx\\_win\\_101.4824.exe](https://downloadmirror.intel.com/788440/gfx_win_101.4824.exe)

Ubuntu 22.04: <https://www.intel.cn/content/www/cn/zh/download/747008/intel-arc-graphics-driver-ubuntu.html>

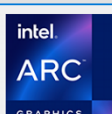
## 7. GPU-Z



**TechPowerUp GPU-Z 2.52.0**


Graphics Card: Sensors Advanced Validation

Name: Intel(R) Arc(TM) A380 Graphics LookUp

GPU: ACM-G11 Revision: N/A 

Technology: 6 nm Die Size: 157 mm<sup>2</sup>

Release Date: Jun 14, 2022 Transistors: 7200M

BIOS Version: 20.0.1064   UEFI

Subvendor: Intel Device ID: 8086 56A5 - 8086 1000

ROPs/TMUs: 32 / 64 Bus Interface: PCIe x8 4.0 @ x8 4.0 ?

Shaders: 128 Unified DirectX Support: 12 (12\_2)

Pixel Fillrate: 68.8 GPixel/s Texture Fillrate: 137.6 GTexel/s

Memory Type: GDDR6 Bus Width: 96 bit

Memory Size: 6144 MB Bandwidth: 192.0 GB/s

Driver Version: 31.0.101.4644 DCH / Win10 64

Driver Date: Aug 11, 2023 Digital Signature: WHQL

GPU Clock: 2150 MHz Memory: 2000 MHz Shader: N/A

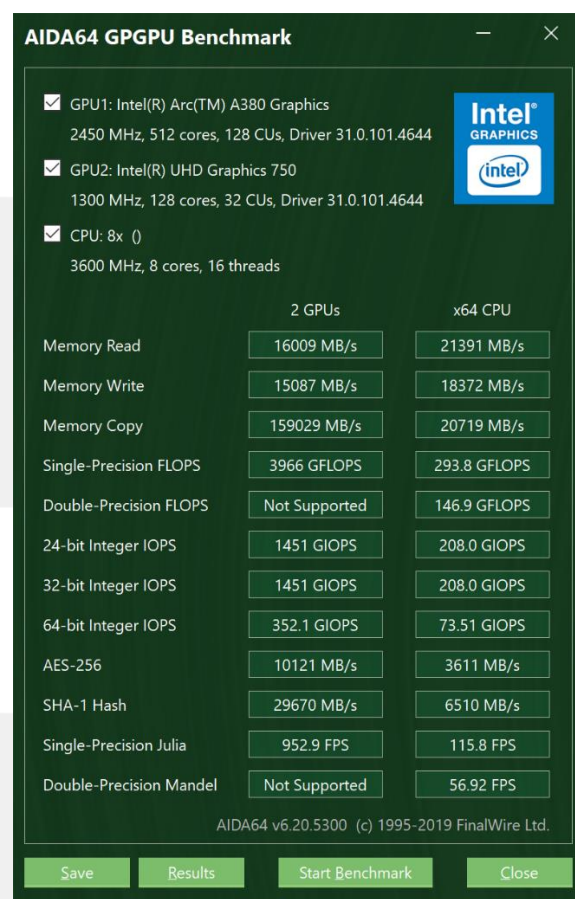
Default Clock: 2150 MHz Memory: 2000 MHz Shader: N/A

Multi-GPU: Disabled Resizable BAR: Enabled

Computing:  OpenCL  CUDA  DirectCompute  DirectML

Technologies:  Vulkan  Ray Tracing  PhysX  OpenGL 4.6

Intel(R) Arc(TM) A380 Graphics Close



**AIDA64 GPGPU Benchmark**

GPU1: Intel(R) Arc(TM) A380 Graphics  
2450 MHz, 512 cores, 128 CUs, Driver 31.0.101.4644

GPU2: Intel(R) UHD Graphics 750  
1300 MHz, 128 cores, 32 CUs, Driver 31.0.101.4644

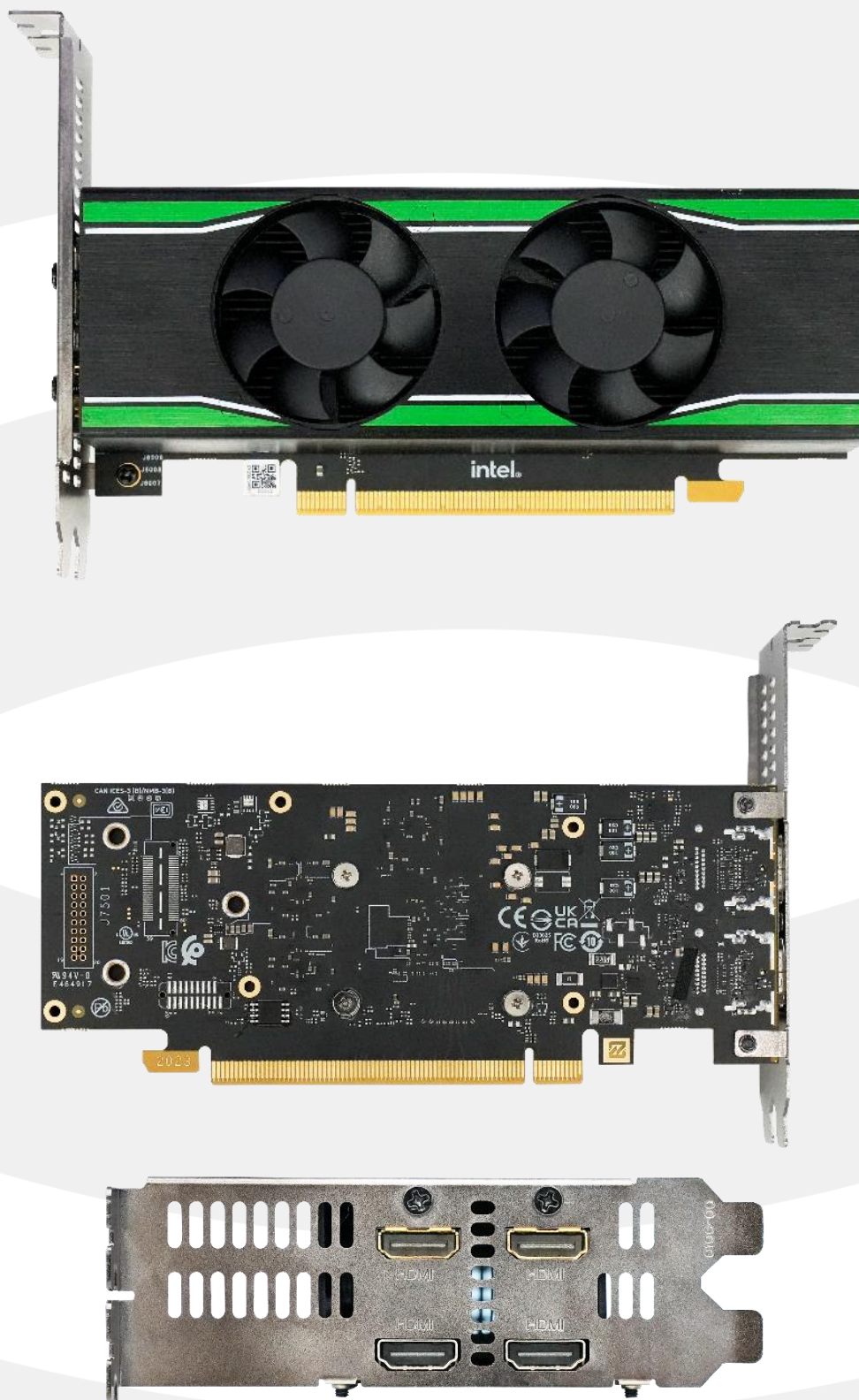
CPU: 8x ()  
3600 MHz, 8 cores, 16 threads

	2 GPUs	x64 CPU
Memory Read	16009 MB/s	21391 MB/s
Memory Write	15087 MB/s	18372 MB/s
Memory Copy	159029 MB/s	20719 MB/s
Single-Precision FLOPS	3966 GFLOPS	293.8 GFLOPS
Double-Precision FLOPS	Not Supported	146.9 GFLOPS
24-bit Integer IOPS	1451 GIOPS	208.0 GIOPS
32-bit Integer IOPS	1451 GIOPS	208.0 GIOPS
64-bit Integer IOPS	352.1 GIOPS	73.51 GIOPS
AES-256	10121 MB/s	3611 MB/s
SHA-1 Hash	29670 MB/s	6510 MB/s
Single-Precision Julia	952.9 FPS	115.8 FPS
Double-Precision Mandel	Not Supported	56.92 FPS

AIDA64 v6.20.5300 (c) 1995-2019 FinalWire Ltd.

Save Results Start Benchmark Close

8.Photo

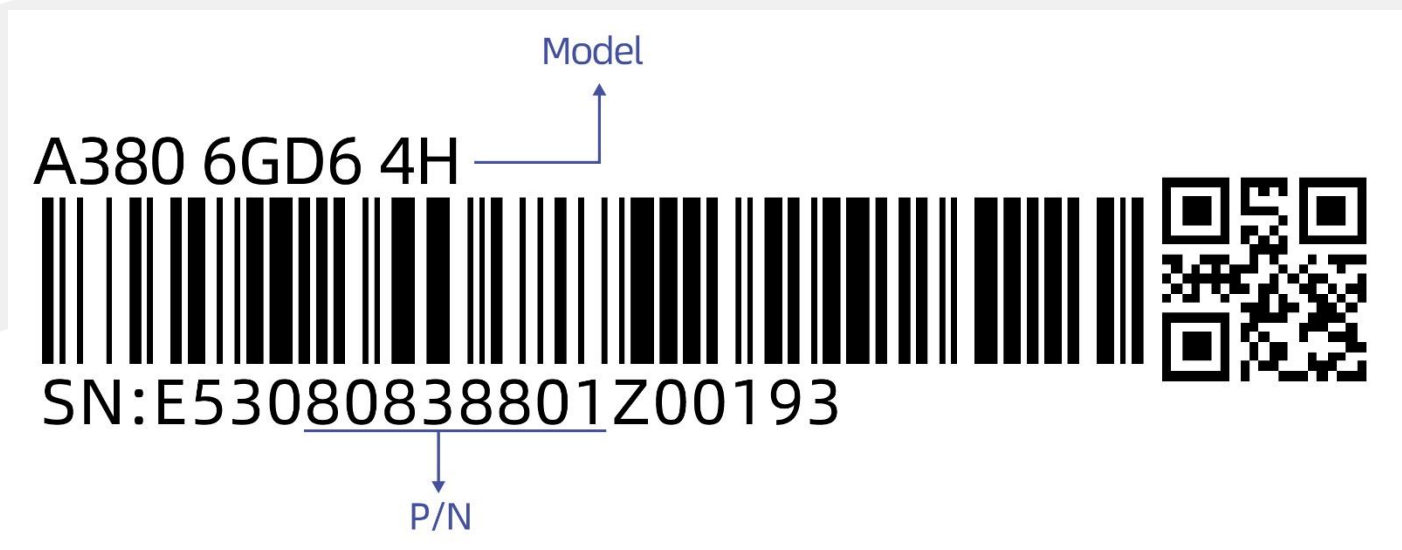


9.Part Number

Model Name	Part Number	Specification
A380 6GD6 4H	8.ZRT.80-8388-01-LFF	A1 A380 6G 96bit GDDR6 4HDMI PCIe 16x LP 45W-ZRT 彩包二十入



10.Label



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Shenzhen Zrt Co., Ltd.



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&



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