

## Graphics Card

## Sensors

## Advanced

## Validation



Name NVIDIA GeForce GTX 1650

Lookup

GPU TU117

Revision A1

Technology 12 nm

Die Size 200 mm<sup>2</sup>

Release Date Apr 23, 2019

Transistors 4700M



NVIDIA

BIOS Version 90.17.2A.00.6C

☒ UEFI

Subvendor ASUS

Device ID 10DE 1F82 - 1043 86C2

ROPs/TMUs 32 / 56

Bus Interface PCIe x16 3.0 @ x16 3.0



Shaders 896 Unified

DirectX Support 12 (12\_1)

Pixel Fillrate 53.8 GPixel/s

Texture Fillrate 94.1 GTexel/s

Memory Type GDDR5 (Samsung)

Bus Width 128 bit

Memory Size 4096 MB

Bandwidth 128.1 GB/s

Driver Version 27.21.14.5671 (NVIDIA 456.71) DCH / Win10 64

Driver Date Sep 30, 2020

Digital Signature WHQL

GPU Clock 1485 MHz

Memory 2001 MHz

Boost 1680 MHz

Default Clock 1485 MHz

Memory 2001 MHz

Boost 1680 MHz

NVIDIA SLI Disabled

Computing ☒ OpenCL ☒ CUDA ☒ DirectCompute ☒ DirectMLTechnologies ☒ Vulkan ☐ Ray Tracing ☒ PhysX ☒ OpenGL 4.6

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Close