

# Heracles

## Baseline

| Benchmark                                                                                                                                                                                                         | Result                                                                              | Benchmark                                                                                                                                                                          | Result                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>PassMark</b> (specs <a href="#">online</a> )<br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |    | <b>CPU Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700  |    |
| <b>2D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700                                  |    | <b>3D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700   |    |
| <b>Memory Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700                              |  | <b>Disk Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  |

## Momentum cache enabled

| Benchmark                                                                                                                                                                         | Result                                                                              | Benchmark                                                                                                                                                                         | Result                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>PassMark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  | <b>CPU Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  |
| <b>2D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700  |  | <b>3D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700  |  |

| Benchmark                                                                                                                                                                            | Result                                                                            | Benchmark                                                                                                                                                                          | Result                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Memory Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  | <b>Disk Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Powercolor Radeon RX 9070 XT<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  |

## Integrated GPU

| Benchmark                                                                                                                                                              | Result                                                                              | Benchmark                                                                                                                                                            | Result                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>PassMark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Integrated GPU<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700    |    | <b>CPU Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Integrated GPU<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700  |    |
| <b>2D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Integrated GPU<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700     |  | <b>3D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Integrated GPU<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700   |  |
| <b>Memory Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Integrated GPU<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  | <b>Disk Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>Integrated GPU<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  |

## NVidia GTX 980 GPU

| Benchmark                                                                                                                                                                | Result                                                                              | Benchmark                                                                                                                                                                | Result                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>PassMark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>ASUS NVidia GTX 980<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  | <b>CPU Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>ASUS NVidia GTX 980<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  |

| Benchmark                                                                                                                                                                   | Result                                                                            | Benchmark                                                                                                                                                                 | Result                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>2D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>ASUS NVidia GTX 980<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700     |  | <b>3D Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>ASUS NVidia GTX 980<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700   |  |
| <b>Memory Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>ASUS NVidia GTX 980<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  | <b>Disk Mark</b><br>Adrenalin 25.8.1<br>no OC<br>Ryzen 9 9950X3D<br>ASUS NVidia GTX 980<br>MSI MPG X870E Carbon Wifi<br>Crucial Micron DDR5 2x64GB<br>Crucial Micron T700 |  |

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