

mixbench-ocl (v0.04-12-g440a133)

Use "-h" argument to see available options

----- Device specifications -----

Platform: AMD Accelerated Parallel Processing

Device: Inc.

Driver versior(LC)

Address bits: 64

GPU clock rate: 1617 MHz

Total global mem: 15344 MB

Max allowed buffer: 13042 MB

OpenCL version: OpenCL 2.0

Total CUs: 24

Buffer size: 256MB

Workgroup size: 256

Elements per workitem: 8

Workitem fusion degree: 4

Workitem stride: NDRange

Buffer allocation: Device allocated

Timer: CL event based

Loading kernel source file...

Precompilation of kernels... [

)]<table border="1" data-bbox="30 394 896 930" data-label="Table">| Experiment I | Single Precision ops | | | | Double precision ops | | | | Half precision ops | | | | Integer operations | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Compute iter | Flops/byte | ex.time | GFLOPS | GB/sec | Flops/byte | ex.time | GFLOPS | GB/sec | Flops/byte | ex.time | GFLOPS | GB/sec | lops/byte | ex.time | GIOPS | GB/sec |
| 0 | | 0.25 | 0.7 | 48.25 | 193.02 | 0.125 | 0.55 | 61.46 | 491.71 | 0.5 | 0.28 | 238.18 | 476.35 | 0.25 | 0.29 | 115.39 | 461.54 |
| 1 | | 0.75 | 0.28 | 361.94 | 482.59 | 0.375 | 0.55 | 184 | 490.67 | 1.5 | 0.28 | 712.3 | 474.87 | 0.75 | 0.28 | 353.9 | 471.86 |
| 2 | | 1.25 | 0.28 | 591.58 | 473.26 | 0.625 | 0.55 | 305.46 | 488.74 | 2.5 | 0.28 | 1185.5 | 474.2 | 1.25 | 0.29 | 585.47 | 468.37 |
| 3 | | 1.75 | 0.28 | 832.55 | 475.75 | 0.875 | 0.56 | 422.6 | 482.97 | 3.5 | 0.28 | 1661.57 | 474.74 | 1.75 | 0.29 | 809.6 | 462.63 |
| 4 | | 2.25 | 0.28 | 1072.56 | 476.69 | 1.125 | 0.67 | 448.99 | 399.1 | 4.5 | 0.29 | 2112.11 | 469.36 | 2.25 | 0.29 | 1043.21 | 463.65 |
| 5 | | 2.75 | 0.28 | 1302.57 | 473.66 | 1.375 | 0.8 | 458.8 | 333.67 | 5.5 | 0.29 | 2580.02 | 469.09 | 2.75 | 0.29 | 1254.58 | 456.21 |
| 6 | | 3.25 | 0.28 | 1536.15 | 472.66 | 1.625 | 0.94 | 463.16 | 285.02 | 6.5 | 0.29 | 3060.24 | 470.81 | 3.25 | 0.3 | 1467.32 | 451.48 |
| 7 | | 3.75 | 0.29 | 1761.07 | 469.62 | 1.875 | 1.08 | 467.16 | 249.15 | 7.5 | 0.29 | 3492.33 | 465.64 | 3.75 | 0.3 | 1703.15 | 454.17 |
| 8 | | 4.25 | 0.29 | 1985.88 | 467.27 | 2.125 | 1.21 | 469.52 | 220.95 | 8.5 | 0.29 | 3929.08 | 462.24 | 4.25 | 0.3 | 1918.81 | 451.48 |
| 9 | | 4.75 | 0.29 | 2216.42 | 466.62 | 2.375 | 1.35 | 471.06 | 198.34 | 9.5 | 0.29 | 4427.92 | 466.1 | 4.75 | 0.3 | 2145.13 | 451.61 |
| 10 | | 5.25 | 0.29 | 2431.47 | 463.14 | 2.625 | 1.49 | 472.62 | 180.05 | 10.5 | 0.29 | 4859.59 | 462.82 | 5.25 | 0.3 | 2369.02 | 451.24 |
| 11 | | 5.75 | 0.3 | 2610.79 | 454.05 | 2.875 | 1.63 | 474.02 | 164.88 | 11.5 | 0.3 | 5201.17 | 452.28 | 5.75 | 0.3 | 2585.6 | 449.67 |
| 12 | | 6.25 | 0.3 | 2834.36 | 453.5 | 3.125 | 1.77 | 475.05 | 152.02 | 12.5 | 0.3 | 5656.49 | 452.52 | 6.25 | 0.3 | 2804.42 | 448.71 |
| 13 | | 6.75 | 0.3 | 3060.28 | 453.38 | 3.375 | 1.9 | 475.71 | 140.95 | 13.5 | 0.3 | 6116.44 | 453.07 | 6.75 | 0.3 | 3034.05 | 449.49 |
| 14 | | 7.25 | 0.3 | 3274.58 | 451.67 | 3.625 | 2.04 | 476.39 | 131.42 | 14.5 | 0.3 | 6560.65 | 452.46 | 7.25 | 0.3 | 3248.35 | 448.05 |
| 15 | | 7.75 | 0.3 | 3505.61 | 452.34 | 3.875 | 2.18 | 477.14 | 123.13 | 15.5 | 0.3 | 7005.55 | 451.97 | 7.75 | 0.31 | 3311 | 427.23 |
| 16 | | 8.25 | 0.3 | 3729.26 | 452.03 | 4.125 | 2.32 | 477.65 | 115.79 | 16.5 | 0.3 | 7473.63 | 452.95 | 8.25 | 0.33 | 3380.43 | 409.75 |
| 17 | | 8.75 | 0.3 | 3962.22 | 452.82 | 4.375 | 2.46 | 478.07 | 109.27 | 17.5 | 0.3 | 7923.36 | 452.76 | 8.75 | 0.34 | 3441.57 | 393.32 |
| 18 | | 9.25 | 0.3 | 4188.06 | 452.76 | 4.625 | 2.59 | 478.56 | 103.47 | 18.5 | 0.3 | 8354.71 | 451.61 | 9.25 | 0.36 | 3481.13 | 376.34 |
| 20 | | 10.25 | 0.3 | 4639.58 | 452.64 | 5.125 | 2.87 | 479.25 | 93.51 | 20.5 | 0.3 | 9249.21 | 451.18 | 10.25 | 0.39 | 3528.22 | 344.22 |
| 22 | | 11.25 | 0.3 | 5052.69 | 449.13 | 5.625 | 3.15 | 479.8 | 85.3 | 22.5 | 0.3 | 10162.5 | 451.67 | 11.25 | 0.42 | 3556.82 | 316.16 |
| 24 | | 12.25 | 0.3 | 5541.87 | 452.4 | 6.125 | 3.42 | 480.28 | 78.41 | 24.5 | 0.3 | 11074.78 | 452.03 | 12.25 | 0.46 | 3580.18 | 292.26 |
| 28 | | 14.25 | 0.3 | 6410.36 | 449.85 | 7.125 | 3.98 | 481.13 | 67.53 | 28.5 | 0.3 | 12874.23 | 451.73 | 14.25 | 0.53 | 3617.68 | 253.87 |
| 32 | | 16.25 | 0.3 | 7324.79 | 450.76 | 8.125 | 4.53 | 481.7 | 59.29 | 32.5 | 0.3 | 14629.94 | 450.15 | 16.25 | 0.6 | 3651.36 | 224.7 |
| 40 | | 20.25 | 0.3 | 9068.13 | 447.81 | 10.125 | 5.63 | 482.43 | 47.65 | 40.5 | 0.3 | 18204.29 | 449.49 | 20.25 | 0.74 | 3696.02 | 182.52 |
| 48 | | 24.25 | 0.3 | 10807.44 | 445.67 | 12.125 | 6.74 | 483.18 | 39.85 | 48.5 | 0.3 | 21750.66 | 448.47 | 24.25 | 0.87 | 3720.25 | 153.41 |
| 56 | | 28.25 | 0.3 | 12628.69 | 447.03 | 14.125 | 7.84 | 483.53 | 34.23 | 56.5 | 0.3 | 25247.29 | 446.85 | 28.25 | 1.01 | 3740.32 | 132.4 |
| 64 | | 32.25 | 0.32 | 13476.05 | 417.86 | 16.125 | 8.95 | 483.82 | 30 | 64.5 | 0.32 | 26865.12 | 416.51 | 32.25 | 1.15 | 3756.34 | 116.48 |
| 80 | | 40.25 | 0.38 | 14130.18 | 351.06 | 20.125 | 11.15 | 484.34 | 24.07 | 80.5 | 0.38 | 28163.12 | 349.85 | 40.25 | 1.43 | 3776.1 | 93.82 |
| 96 | | 48.25 | 0.45 | 14349 | 297.39 | 24.125 | 13.36 | 484.57 | 20.09 | 96.5 | 0.45 | 28578.95 | 296.15 | 48.25 | 1.75 | 3696 | 76.6 |
| 128 | | 64.25 | 0.61 | 14048.39 | 218.65 | 32.125 | 17.79 | 484.81 | 15.09 | 128.5 | 0.59 | 29160.89 | 226.93 | 64.25 | 2.28 | 3784.74 | 58.91 |
| 192 | | 96.25 | 0.9 | 14424.31 | 149.86 | 48.125 | 26.62 | 485.23 | 10.08 | 192.5 | 0.87 | 29677.03 | 154.17 | 96.25 | 3.45 | 3743.21 | 38.89 |
| 256 | | 128.25 | 1.19 | 14458.7 | 112.74 | 64.125 | 35.54 | 484.39 | 7.55 | 256.5 | 1.15 | 29961.3 | 116.81 | 128.25 | 4.61 | 3731.36 | 29.09 |