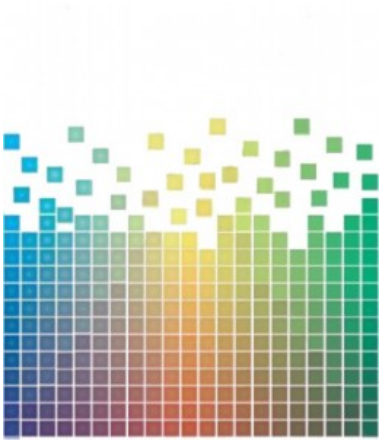
SDKs



!!!THESE PAGES WILL BE MOVED TO OPENCL.ORG!!!

OpenCL is growing fast and various architectures now support compute-acceleration. This means that you have a lot of choice to find the right solution for your algorithm.

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Working

X86

AMD GPUs & CPUs - hardware and OpenCL 2.0 drivers available now.]
Intel CPUs - hardware and OpenCL 2.0 drivers available.]
NVidia GPUs - hardware and OpenCL 1.1 drivers available.]

ARM

ARM CPU - drivers available for ST-Ericsson]
ZiiLabs ARM Tablet - OpenCL-drivers available for B2B (minimal order volume size unknown).]
Imagination Technologies PowerVR - drivers available in H2 2013, but possibly earlier.]
Qualcomm Snapdragon - drivers available.]
Vivante GPUs - hardware (Freescale i.MX6) and drivers.]
ARM MALI - drivers available for Exynos 5 Dual. Not yet for Exynos 5420.]

Grid-accelerator

Adapteva Parallella board - hardware and drivers available now.]
- (Kalray - currently has an OpenCL driver under a closed beta program).]
Intel Xeon Phi - hardware and OpenCL 2.0 drivers available.]

FPGA

Altera FPGA board - drivers and SDK public for Stratix V and Arria 10.]
XilinX FPGA board - closed program, but available.]

DSP

Texas Instruments DSP Board - drivers and SDK]

Possibly in the (near) future

Currently we are looking into:

Game Consoles

- Nintendo Wii U dev - only vague rumours.
- Sony Playstation 4 Orbis - strong rumours.

- Movidius - has internal builds, but will only release on customer's request.
- Texas Instruments - support on C66x multicore DSPs (PDF source) and on their ARM-chips.]
- ST-Ericsson

If you have more information, let us know.

Abandoned

IBM POWER-processor (and PS2) - hardware and drivers available, but not actively developed anymore.]

Useful peripherals

When working with various devices, you might find the below tips useful.

ARM

When working with those small cute computers, three things come in handy:

- a HDMI-switch (or monitor with more HDMI-inputs).
- A small keyboard+mouse which uses Bluetooth or only one USB-port. I use the Logitech-keyboard as shown at the right.
- A network-switch with enough free ports. Even though most boards have WIFI, good internet proofs itself to be valuable.