

## 1 Overview

**1.1 Location** \$(AMDAPPSDKSAMPLESROOT)\samples\opencl\cl\app

**1.2 How to Run** See the *Getting Started* guide for how to build samples. You first must compile the sample.

Use the command line to change to the directory where the executable is located. The pre-compiled sample executable is at \$(AMDAPPSDKSAMPLESROOT)\samples\opencl\bin\x86\ for 32-bit builds, and \$(AMDAPPSDKSAMPLESROOT)\samples\opencl\bin\x86\_64\ for 64-bit builds.

Type the following command(s).

1. PrefixSum  
Runs with default options; x = 128.
2. PrefixSum -h  
This prints the help file.

**1.3 Command Line Options** Table 1 lists, and briefly describes, the command line options.

**Table 1 Command Line Options**

| Short Form | Long Form    | Description  |
|------------|--------------|--|
| -h         | --help       | Shows all command options and their respective meaning.                                |
|            | --device     | Devices on which the program is to be run. Acceptable values are cpu or gpu.           |
| -q         | --quiet      | Quiet mode. Suppresses all text output.  |
| -e         | --verify     | Verify results against reference implementation.                                       |
| -t         | --timing     | Print timing.  |
|            | --dump       | Dump binary image for all devices.   |
|            | --load       | Load binary image and execute on device.   |
|            | --flags      | Specify compiler flags to build the kernel.  |
| -p         | --platformId | Select platformId to be used (0 to N-1, where N is the number of available platforms). |
| -d         | --deviceId   | Select deviceId to be used (0 to N-1, where N is the number of available devices).     |
| -v         | --version    | AMD APP SDK version string.  |
| -x         | --length     | Length of the input array.   |
| -i         | --iterations | Number of iterations for kernel execution.   |

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