



# OpenSDA Serial and Debug Adapter

## OPENSDA

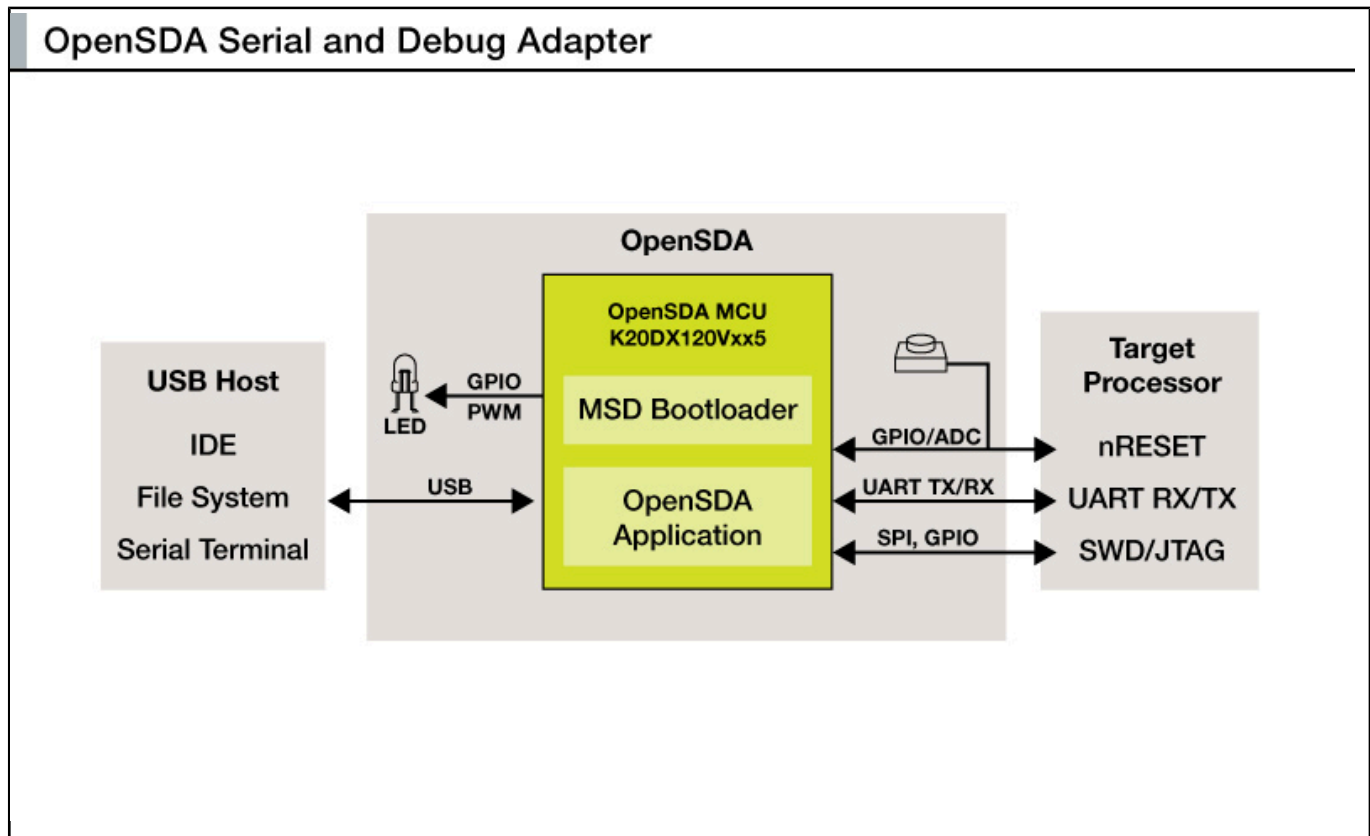
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OpenSDA is a serial and debug adapter that is built into several NXP® evaluation boards. It provides a bridge between your computer (or other USB hosts) and the embedded target processor, which can be used for debugging, flash programming, and serial communication, all over a simple USB cable.

The OpenSDA hardware consists of a circuit featuring a Kinetis® K2x microcontroller with an integrated USB controller. On the software side, it implements a mass storage device bootloader which offers a quick and easy way to load OpenSDA applications such as flash programmers, run-control debug interfaces, serial to USB converters, and more.

DAPLink is the new and improved implementation of mbed bootloader and standard debugging interface. It includes a Kinetis K20-based circuit implementation that is portable to all OpenSDA v1 and v2/2.1, and new version on a different Kinetis based circuit. For comparison between DAPLink and all OpenSDA version, please refer to the table below on this page.

## OpenSDA Block Diagram Block Diagram



View additional information for [OpenSDA Serial and Debug Adapter](#).

**Note:** The information on this document is subject to change without notice.

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