

# Imxrt1050 .bin flashing guide

## 1. Introduction

This document contains the prerequisites and the guideline to be followed to flash a bin image to IMX RT1050 from a windows PC.

## 2. Flashing .bin image

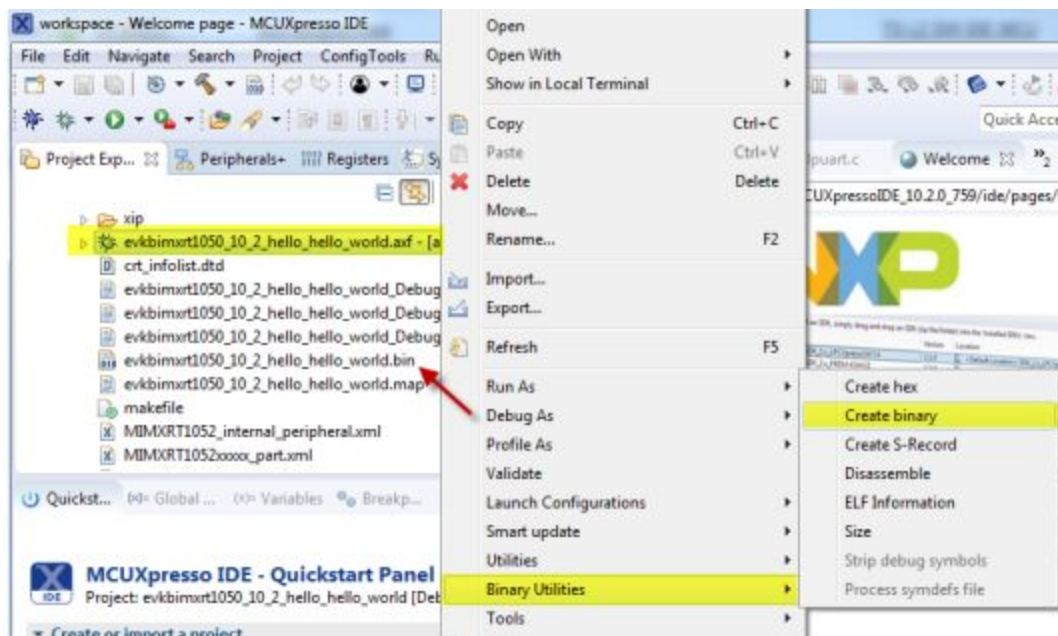
The guideline for flashing .bin image to imxrt1050 from a windows pc includes the following steps.

1. Detection of rt1050 needs “Windows serial driver” and which is available in the below link.

<https://os.mbed.com/docs/mbed-os/v5.14/tutorials/windows-serial-driver.html>

Connect the evk to windows PC via usb cable in j28 connector and install the driver.

2. Generate binary file ( \*.bin ) as burning file image. With MCUXpresso IDE, right click on the .axf file, choose “Binary Utilities”, “Create binary”, a file with .bin extension will be generated under the project folder.



3. Here we are going to flash by OpenSDA MSD drag/drop steps. Configure the power supply is form the Debug USB (connect J1 5-6). Connect J28 OpenSDA interface with USB cable.
4. Set SW7 to OFF-OFF-OFF-ON.
5. Power on board.
6. Computer detects RT1050-EVK as removable device. Drag 2.2 generated \*.bin file into RT1050-EVK



7. Power off. Set SW7 to OFF-ON-ON-OFF.
8. Power on. Push on board reset button.