Using Cypress PSoC6 Device in Keil MDK

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arm KEIL

Advice

This application note explains how to use Cypress PSoC6 devices in Arm Keil MDK. Due to missing software components in the device family pack, these devices cannot be used for starting a project in µVision. Cypress puts these components in a board support package rather than the device family pack.

Details

ModusToolbox™ software is a set of tools that enable you to integrate Cypress devices into your existing development methodology. One of the tools is a multi-platform Project Creator that creates a project folder with all files required for the application. It offers export to Arm Keil MDK, so that it is strongly recommended to start embedded projects in the ModusToolbox Project Creator.

For more information, please refer to the chapter "Exporting to IDEs" in the ModusToolbox Users's Guide available here: https://www.cypress.com/ModusToolboxUserGuide.

Note: As the device family packs of the Cypress PSoC6 devices are not complete (CMSIS-Core files are missing), you will not be able to successfully create an MDK project from scratch. Using the ModusToolbox Project Creator export function will produce working projects that can then be used and developed further in µVision.