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# Overview

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## Coocox Open IDE

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**CooCox** provides integration development environment called **CoIDE** for ARM Cortex M series microcontrollers. **CoIDE** supports ARM gcc based development environment of **eclipse**.

### System requirements:

- Windows XP SP3 / Windows Vista / Windows 7

### Features:

- Free to use
- Full functional IDE
- Component-oriented development platform
- Internet-based, efficient integration of network resources
- Integrates CoOS
- Peripheral registers

[CoIDE Download and learn more](#)

## Installation

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CoIDE just provides development environment without tool-chains. So you need to install tool-chains at first. We use ARM gcc 4.7 for tool-chains.

### ARM GCC 4.7 Features

- All GCC 4.7 features, plus latest mainline features
- Additional code size optimizations
- Newlib-nano: newlib branch optimized for code size

[ARM gcc 4.7](#)

## Tool-chains setting in CoIDE

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Before you use CoIDE to start your project, you need to config the GCC compiler at first.

[Compiler Setting in CoIDE](#)

## CoX-Peripheral Interface

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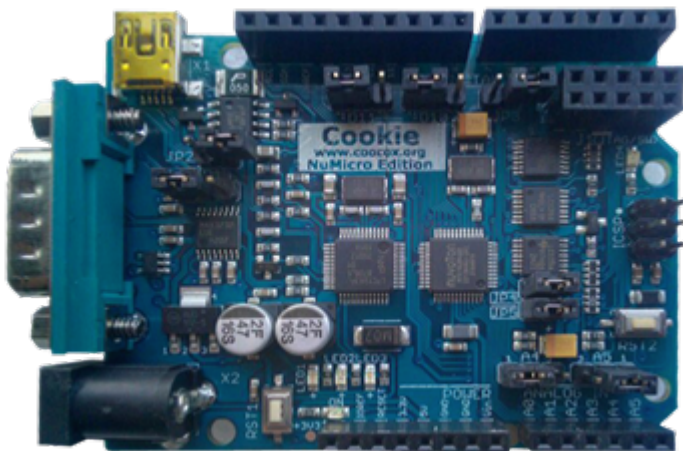
**Cox-Peripheral interface** is Common Wrapper Interface to port peripheral easily which is different in each vendors. If SPI is designed by Cox-Peripheral Interface starting as x(e.g. xGPIOModeSet), you can operate by changing just SPI interface PIN setting in each MCUs or EVB-boards.

[Learn more](#)

## Cookie board

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Cookie is an open-source Arduino™ form-factor compatible ARM prototyping platform based on 32-bit ARM Cortex M0/3/4 MCUs plus hardware and software building blocks.



[Learn more](#)

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