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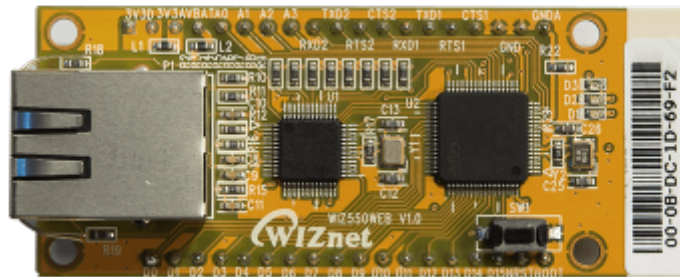
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How to use W5500 with CoOS(RTOS).

Example of How to use W5500 with CoOS(RTOS)

Development Environment

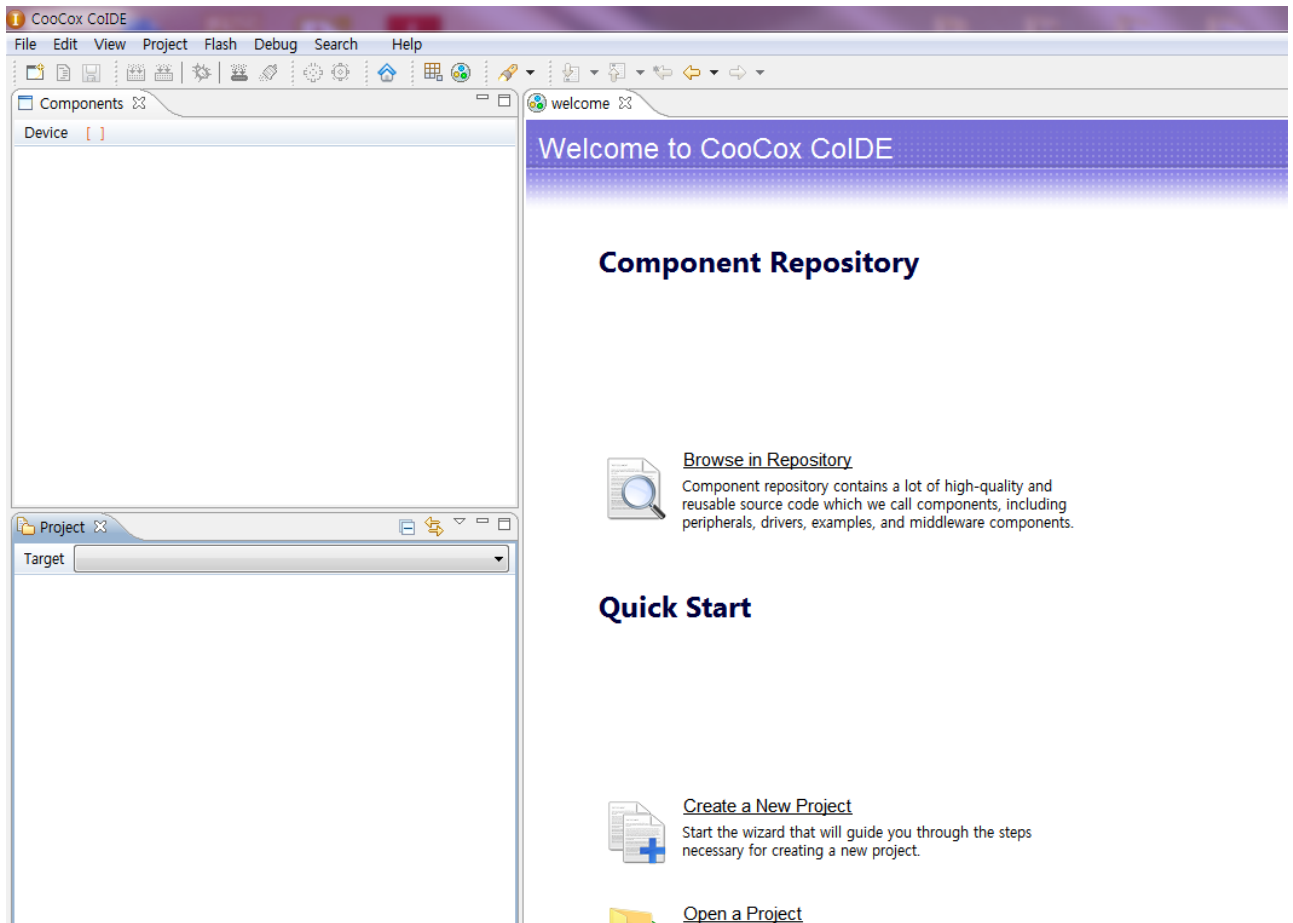
- BOARD: WIZ550web(Wiznet Product)
 - Product page : [WIZ550web](#)



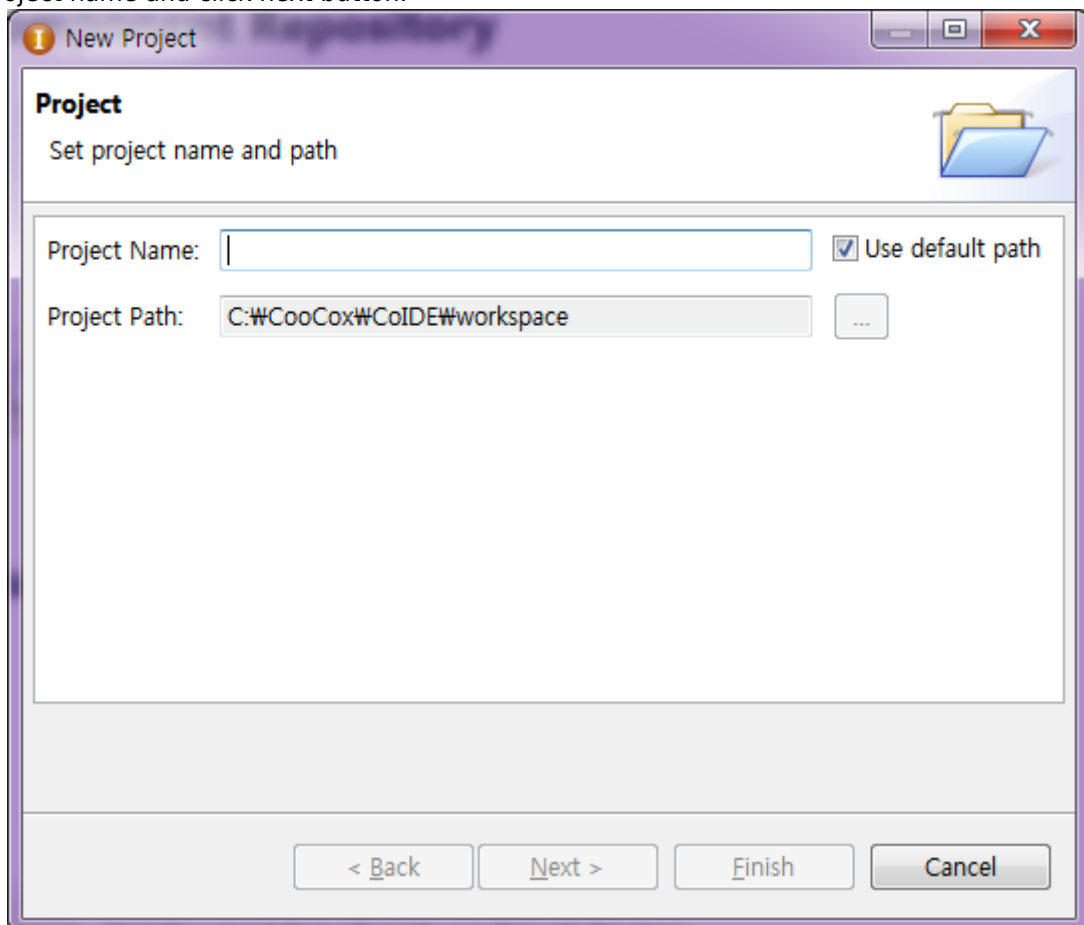
- IDE: ColIDE V 1.7.8(Powered by Coocox) with GCC
 - ColIDE Download site: [ColIDE - Free IDE for ARM Cortex-M Design](#)
 - GCC Download site: [GNU Tools for ARM Embedded Processors](#)
 - RTOS: CoOS(Powered by Coocox)
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New Project

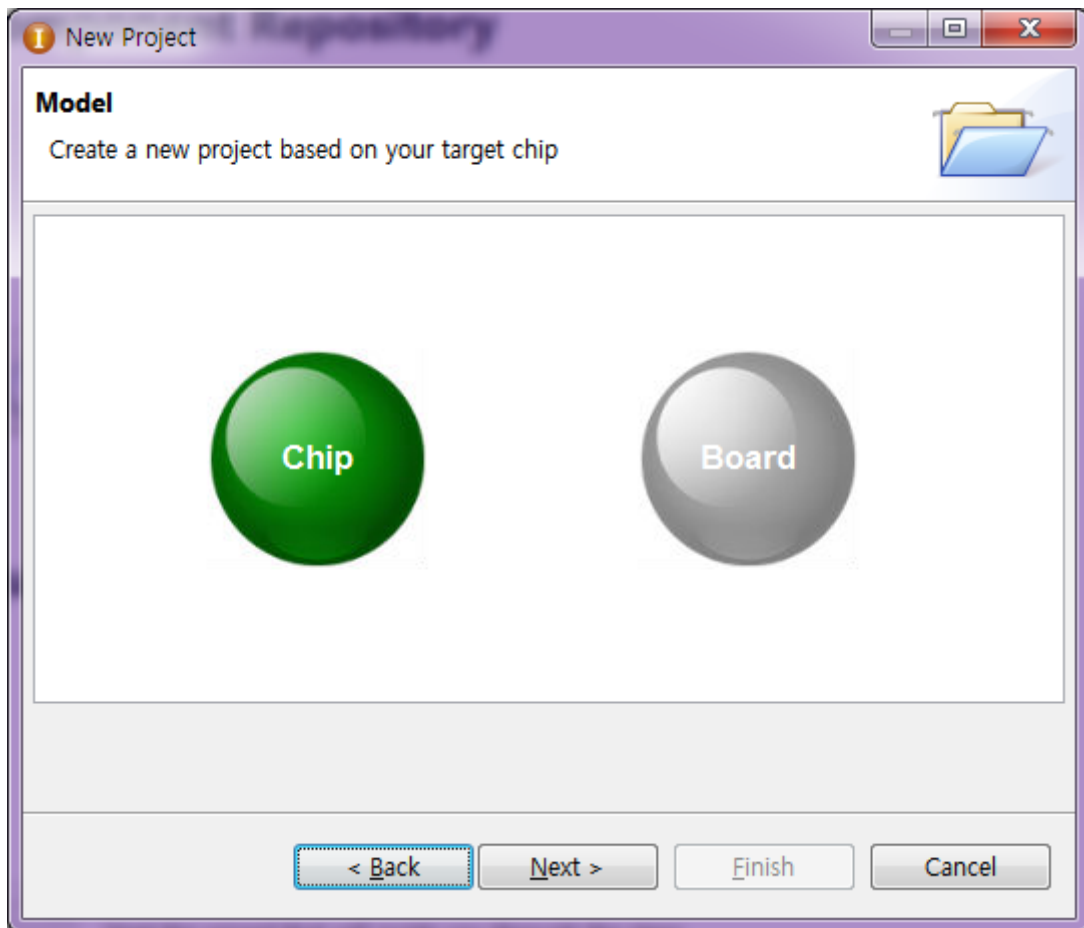
- Create new project.(Project → New Project)



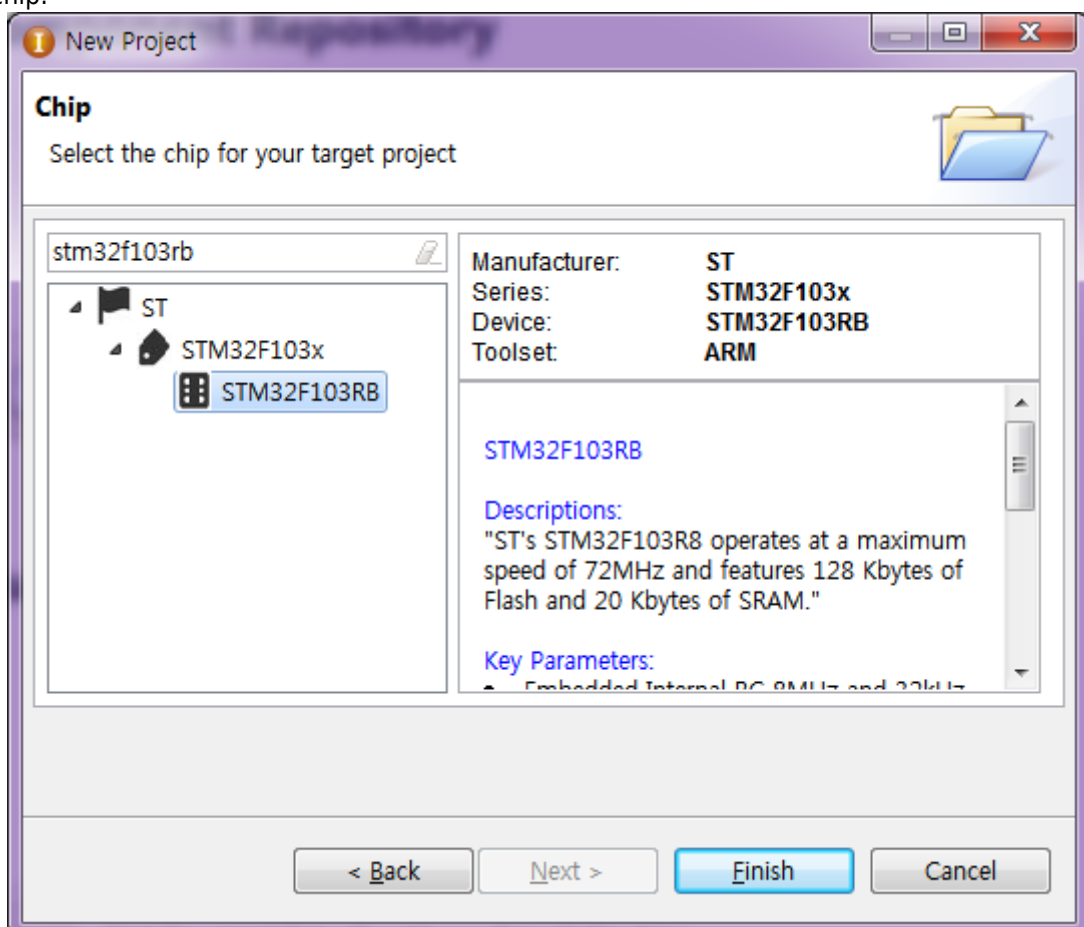
- Input project name and click next button.



- Select chip button and click next button.

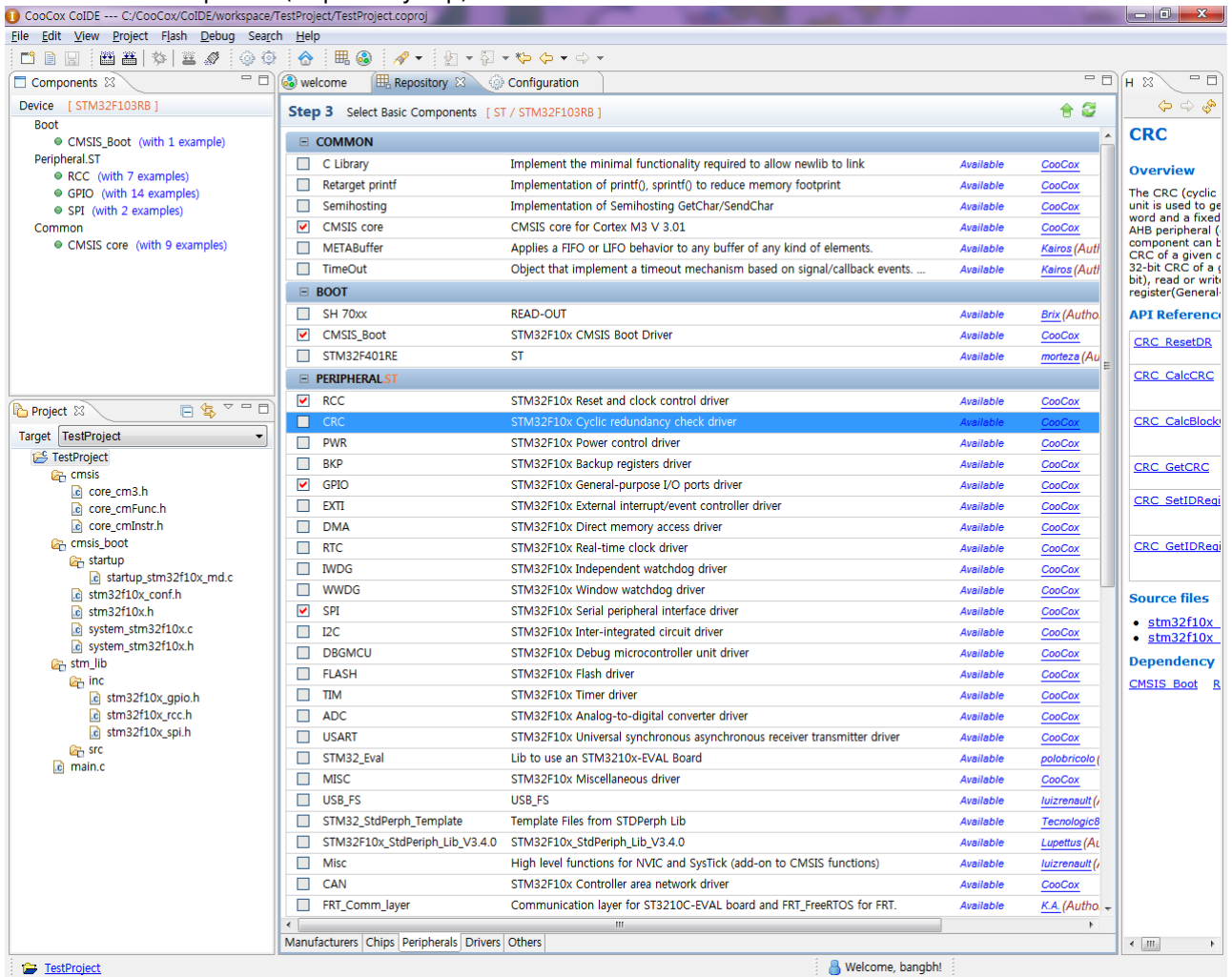


- Select chip.



- ST→STM32F103x→STM32F103RB and click Finish button.
- Or Input "stm32f103rb" to text box and select STM32F103RB and click Finish button.

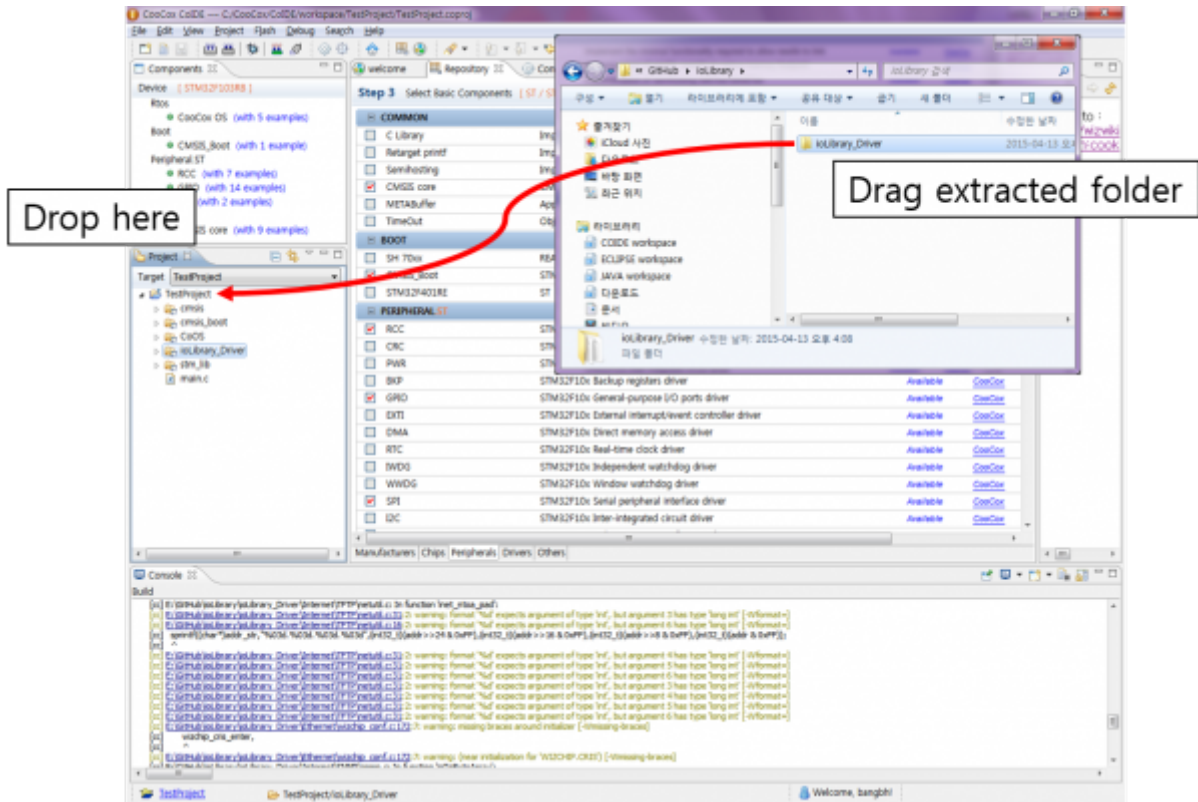
- Select Basic Component(Repository tap)



- COMMON component: Click “CMSIS core” check box.
- BOOT component: Click “CMSIS_Boot” check box.
- Peripheral: Click “RCC”, “GPIO”, “SPI” check box.
- RTOS: Click “CooCOX OS” check box.

Wiznet ioLibrary import

1. Download ioLibrary from [Wiznet GitHub](#)
2. Extract file.
3. Drag and drop the extracted folder to project name in project navigator.



Initialize.

- MCU initialize
 1. RCC initialization
 2. GPIO initialization
 3. SPI initialization
 4. USART initialization
- W5500 initialize
 1. CS(chip select) registration
 2. SPI function registration
 3. Critical section registration

Tasks.

CoOS Start.

From:
<http://wizwiki.net/wiki/> -

Document Wiki

Permanent link:
<http://wizwiki.net/wiki/doku.php/dev:coos>

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