

스타트-업 가이드 NS-RX231

e²studio 설치

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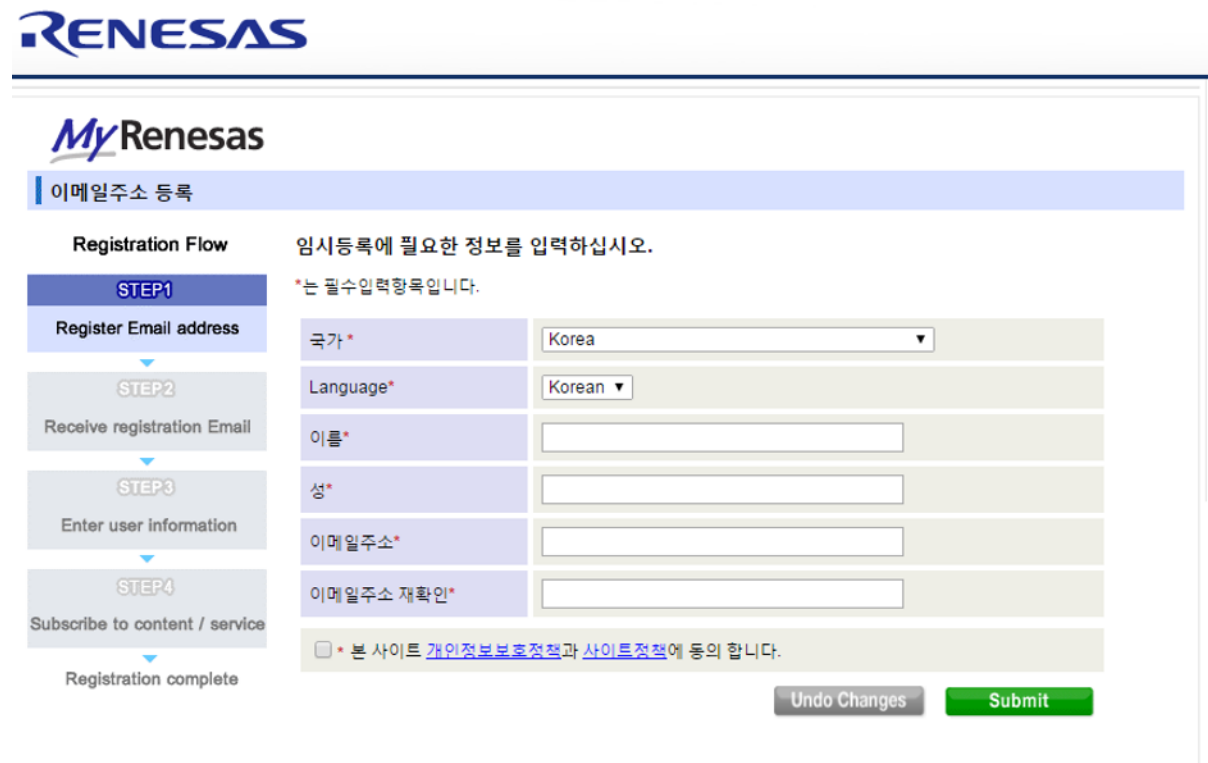
※ 이 문서에서는 Windows 환경에서의 e2studio 및 workbench6 설치에 대해 다룹니다.

※ 만약, CS +로 개발하고 싶다면 다른 문서를 참조하십시오.

1 홈페이지 가입

<https://update.renesas.com/gur/ssoRegisterUser.do>

위 링크에 접속하여 회원가입 창으로 이동합니다.



RENEASAS

MyRenesas

이메일주소 등록

Registration Flow

STEP1
Register Email address

STEP2
Receive registration Email

STEP3
Enter user information

STEP4
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Registration complete

임시등록에 필요한 정보를 입력하십시오.

*는 필수입력항목입니다.

국가* Korea ▼

Language* Korean ▼

이름*

성*

이메일주소*

이메일주소 재확인*

☐ * 본 사이트 [개인정보보호정책](#)과 [사이트정책](#)에 동의 합니다.

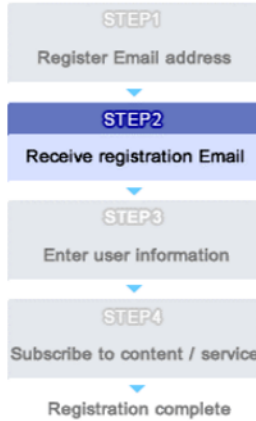
Undo Changes Submit

입력 칸 왼쪽에 있는 설명에 따라 필수입력항목을 입력한 후 제출(Submit) 버튼을 눌러 진행합니다.

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임시등록 완료

Registration Flow



임시등록이 완료되었습니다.

본 등록을 위한 이메일을 보냈습니다. 보낸 이메일에서 URL을 클릭하여 등록 절차를 완료하십시오.

Close

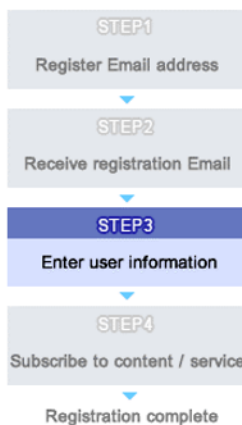
다음 단계로 넘어오면, 첫 단계에서 입력했던 이메일 주소로 인증메일을 받을 수 있습니다.

인증메일을 받았다면, 신규등록을 위한 링크에 접속하여 계속 진행합니다.

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신규 회원등록

Registration Flow



국가	Korea
Language	Korean
이름	
성	
이메일 주소	
*필수입력 사항	
패스워드 *	패스워드는 8~16자로 해야 함. 영어문자, 숫자 및 부호 사용 가능
패스워드 (확인) *	
☒ 뉴스, 마케팅정보를 E-메일로 수신 희망합니다. 주:	

Undo Changes

Next

첫째 단계에서 입력했던 항목들을 확인 후, 비밀번호를 설정하고 Next를 눌러 계속 진행합니다.

MyRenesas

신규 등록

Registration Flow

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STEP2
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STEP3
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**STEP4
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Registration complete

선택한 제품의 정보를 My Renesas포탈, E-mail등으로 확인할 수 있습니다.

■ Category

☐ MPU and MCU	☐ Smart Analog
☐ Secure MCUs	☐ Renesas Synergy
☐ Power MOSFETs	☐ IGBT
☐ Intelligent Power Devices	☐ Thyristors and Triacs
☐ Diode	☐ Power Management
☐ Analog ICs for Automotive	☐ Other Analog & Mixed signal
☐ General-Purpose Linear	☐ General-Purpose Logics
☐ Automotive LSI	☐ LSI for Factory Automation
☐ LSI for Communications and Mobile Devices	☐ USB ASSP
☐ RF Devices	☐ Optoelectronics
☐ Memory	☐ Applications
☐ Renesas USB Power Delivery Family	☐ Boards and Kits
☐ Engineering Services	☐ Software (OS/Middleware/Driver)
☐ Tools	

E-메일 알림서비스 대상 분야 선택

어플리케이션 시스템 솔루션

☐ 디지털 가전	☐ 자동차
☐ 네트워크	☐ 무선

그 밖

☐ 뉴스와 이벤트	☐ 보도자료
----------------------------------	-------------------------------

Undo Changes Next

넷째 단계에서는 체크한 항목의 정보들을 등록했던 이메일로 주기적으로 보내줍니다. 필수는 아니니 아무것도 체크하지 않고 Next를 눌러도 상관없습니다.

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Registration Flow

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STEP3
Enter user information

STEP4
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Registration complete

등록이 완료되었습니다.

프로필 변경을 원하실 경우, My Renesas에서 "사용자 정보 변경"을 클릭하십시오.

[Next](#)

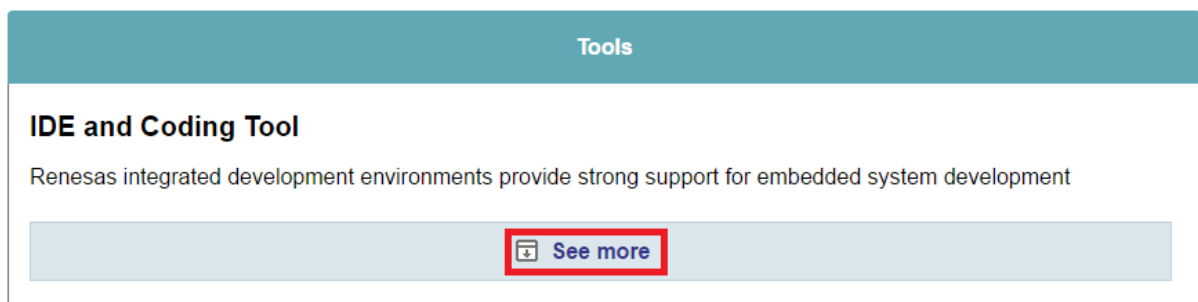
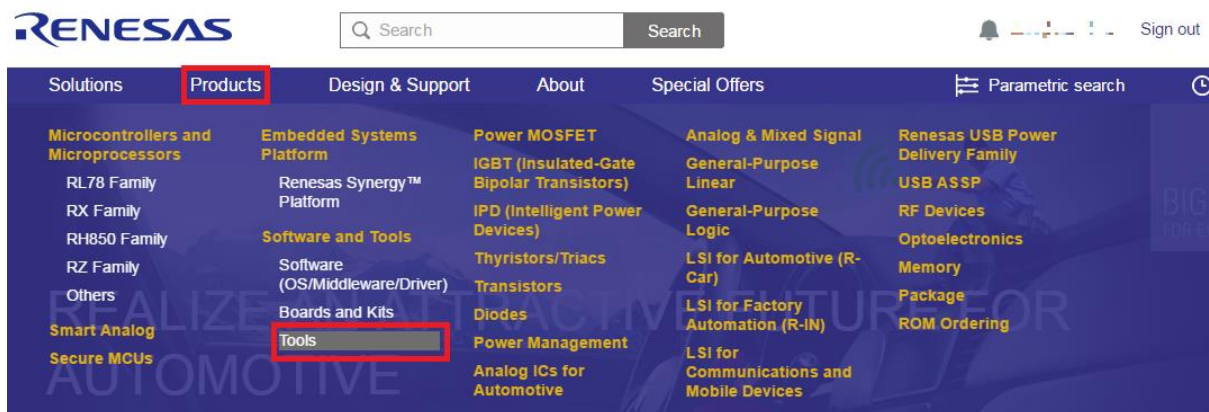
등록이 완료되었습니다.

2 툴 다운로드

개발 툴로는 e²studio와 CS+가 있고, RX시리즈의 터치(CTS)API 프로젝트를 자동 생성해주고 테스트 할 수 있는 워크벤치가 있습니다. 워크벤치에서 e²studio를 사용하기 위해서는 파이썬 2.7.0 버전을 사용하기 때문에 추가로 설치가 필요합니다.

2.1 e²studio 설치파일 다운로드

먼저, 르네사스 홈페이지에서 로그인을 한 뒤, 상단바의 제품정보 > 툴로 들어갑니다.



그러면 위와 같은 창이 뜨게 되는데, IDE and Coding Tool 쪽의 '관련제품 더보기'를 눌러 메뉴를 펼쳐 e²studio를 선택합니다.

Tools

IDE and Coding Tool

Renesas integrated development environments provide strong support for embedded system development

 Close

Product Name	Description
e ² studio	Renesas Eclipse-based integrated development environment (IDE) , * You need to install compiler separately.
CS+ (formerly CubeSuite+)	Renesas integrated development environment (IDE) for RH850, V850, RX, RL78, 78K0R, 78K0, * CS+ is not generally promoted to U.S. and European customers. Customers in U.S. and Europe who are interested in CS+ are requested to contact our regional marketing departments for details.

e² studio

Renesas eclipse embedded studio, known as e² studio, is a complete development and debug environment based on the popular Eclipse CDT project. Essentially open source, the Eclipse CDT covers build (editor, compiler and linker control) as well as debug phase based on an extended GDB interface.

A wide range of compilers can be integrated into e² studio to ensure customer has the choice of tools to match their project requirements. When combined with the extremely powerful editor functionality and project management tools automatically built into Eclipse CDT, e² studio offers a state of the art coding environment for Renesas embedded controllers.

To complete the development cycle, Renesas has developed a range of GDB debuggers to interface between the coding environment and a range of on-chip and in-circuit emulators.

[Notes for using Smart Browser etc.]

Some error messages such as Smart Browser can be shown after the renewal of the Renesas Web site on May 30, 2016. For the details of this problem, please refer to this [Tool News](#).

This problem will be solved by updating to the latest revision of e² studio.

Please visit the [download page](#) for the latest revision.

Product Info

Design Support

Documentation

Downloads

Category

Products

☒ Evaluation Software
 > ☐ Sample Codes
 > ☐ Upgrades

Reset

Filter

다운로드→카테고리 필터 Evaluation Software선택후 검색버튼을 눌러 정렬한다.

Download Selected Clear all	ProductName	Category	IssueDate	Description
☐	[New]e² studio 5.2 installer (Web installer)	Evaluation Software IDE Upgrades	Oct.05.16	
☐	[New]e² studio 5.2.0.020 installer (Offline installer)	Evaluation Software IDE Upgrades	Oct.05.16	Renesas e² studio IDE installation including debug and build phase support (toolchains not included in this download)

그 다음 나오는 검색결과에서 웹 인스톨러나 오프라인 인스톨러 둘 중 하나를 선택해 다운받으면 됩니다.

링크를 클릭하면 다운로드 페이지가 뜨게 되는 데, 오른쪽 하단부분에 다운로드 버튼이 있습니다.

Download (D4000206)

Issue Date : Oct.05.16

카테고리 : Evaluation Software, IDE Upgrades

e² studio 5.2.0.020 installer (Offline installer)

Description

Click the following items for detailed information.

Tool News : [Release Information](#)

data sheet : [Products Information](#)

This installer is capable to do offline installation with included eclipse modules.

You could also choose "Web Installer" from [here](#) if the Internet connections are available.

How to install

Please download the installer file from the "Download Link" shown below, then launch the installer.

Note 1: e² studio has no capability of updating from V4.3 or earlier versions to V5.0 or later including V5.2 .

Please uninstall the earlier versions before installation.

Alternatively, if you would like to keep an earlier installations, please create a new folder for the new installation.

Note 2: Compiler product downloads will be skipped with no Internet connection.

Note 3: Windows OS may display a warning message "This program might not have installed correctly" after installations have done. This message does not mean installation failure. Please dismiss the message box by choosing "This program installed correctly".

Windows® 10 (32-bit, 64-bit)

Windows® 8.1 (32-bit, 64-bit)

Windows® 7 (32-bit, 64-bit)

Download

Product Name	File Name	File Size	Download Link
e² studio 5.2.0.020 installer (Offline installer)	setup_e2_studio_5_2_0_020.exe	919.08 MByte	Download

다운로드 버튼을 누르면 약관페이지가 나오는데, 최하단 부분에 위치한 동의버튼을 누르면 다운로드가 시작됩니다.

AGREEMENT

Renesas Electronics Corp., a Japanese corporation, with a principal place of business at 6-2 Otemachi 2-chome, Chiyoda-Ku, Tokyo, Japan. ("Renesas") owns all intellectual property in the Software and permits you to use the Software (defined as below) only in accordance with the terms of this Agreement.

1. Definitions.

1.1 "Software"

"Software" means

(a) all of the contents of the software and the data which can be downloaded from Renesas's web-site with which this Agreement is provided, including related explanatory written materials or files ("Documentation") and

(b) upgrades, modified versions, updates, additions, and copies of the Software, if any, licensed to you by Renesas (collectively, "Updates").

1.2 "Use" or "Using"

"Use" or "Using" means to access, install, download, copy or otherwise benefit from using the functionality of the Software in accordance with the Documentation.

1.2 "Permitted Number"

"Permitted Number" means one (1) unless otherwise expressly permitted by Renesas.

d by a writing signed by an authorized officer of you and Renesas. Updates may be licens

provision of this Agreement shall not constitute a waiver of such provision or the right of s

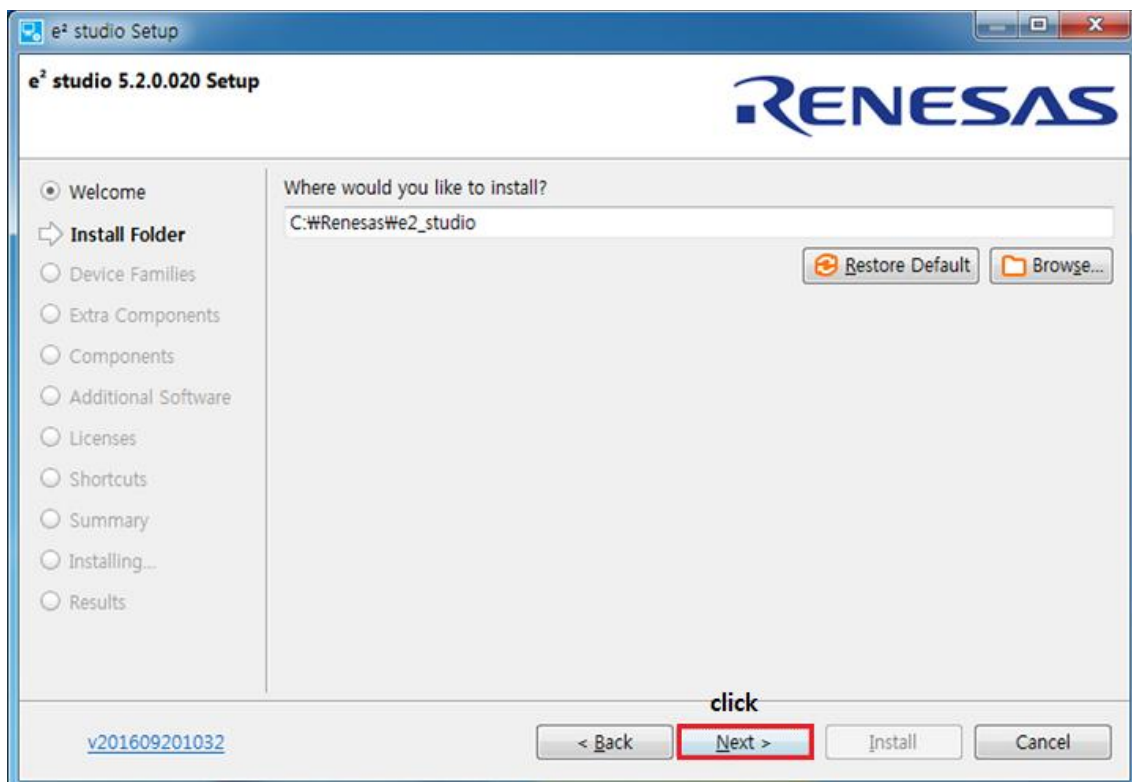
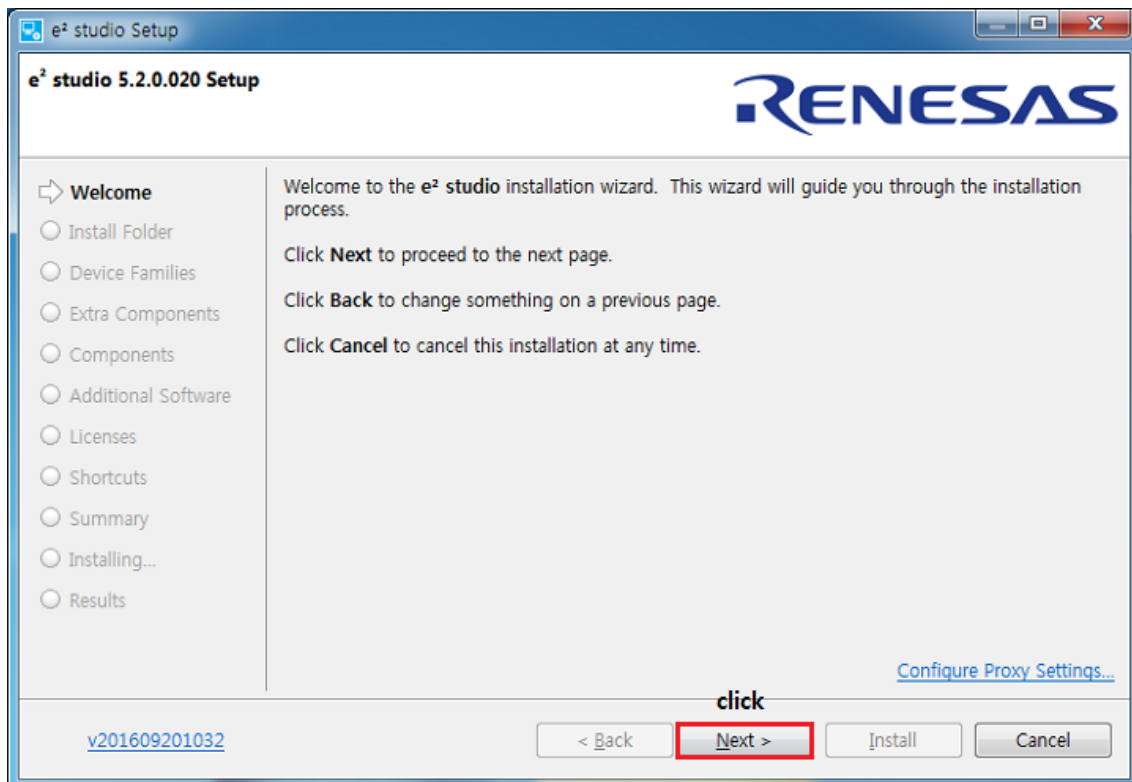
i Renesas and you relating to the Software and it supersedes any prior representations, d
ing to the Software.

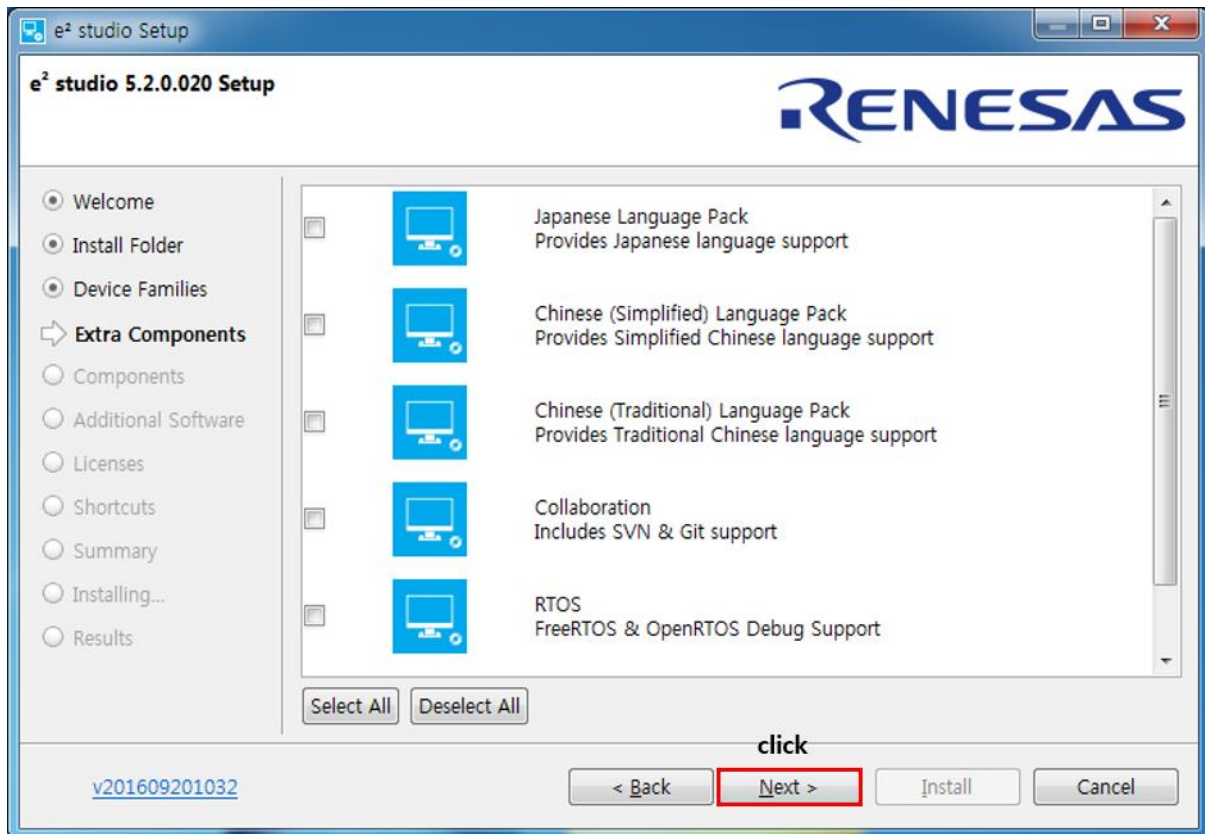
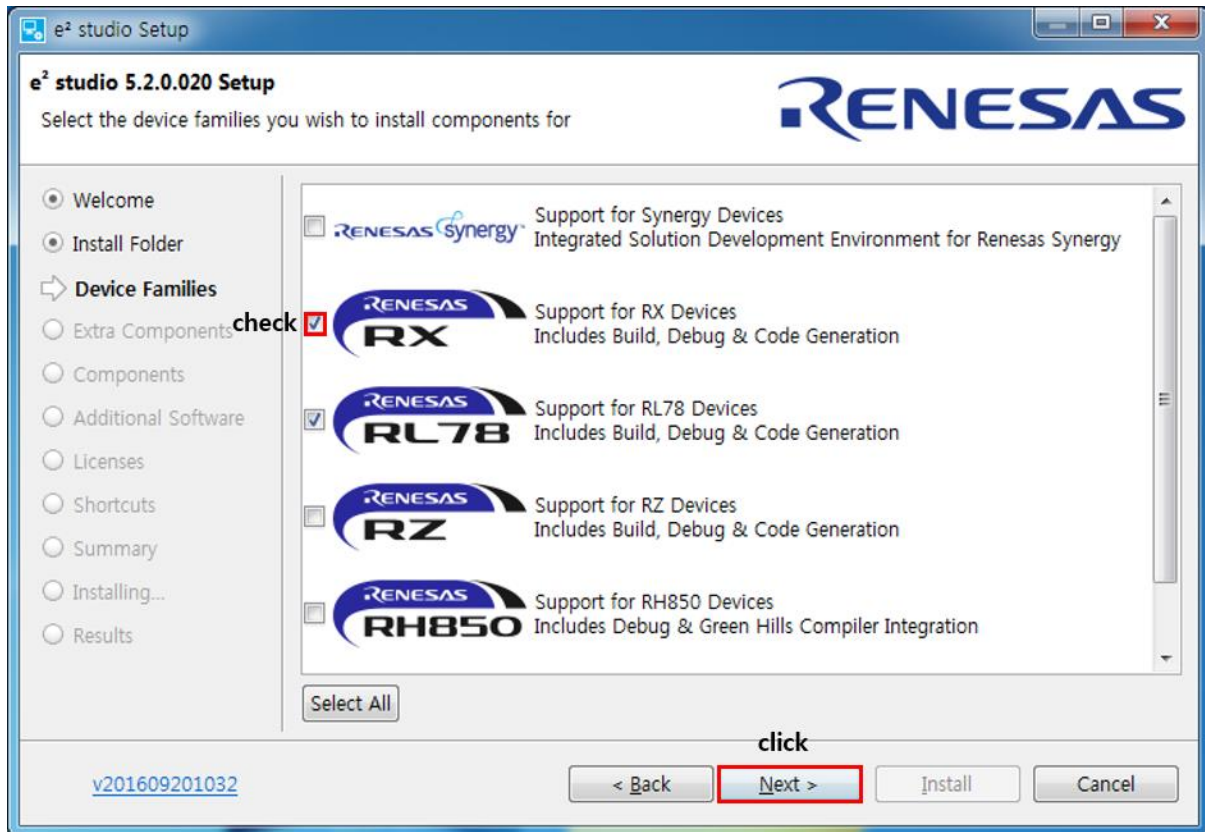
this Agreement or if you wish to request any information from Renesas please use the ad
entations.)

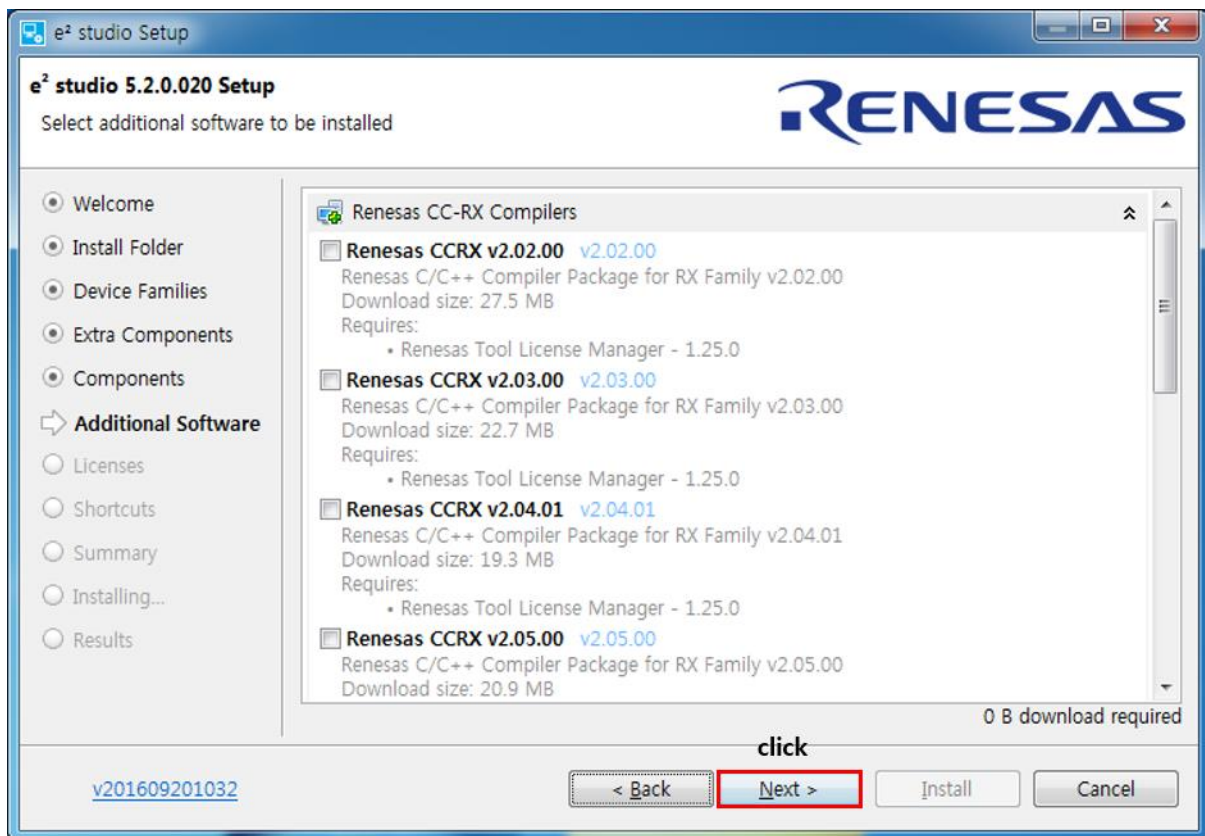
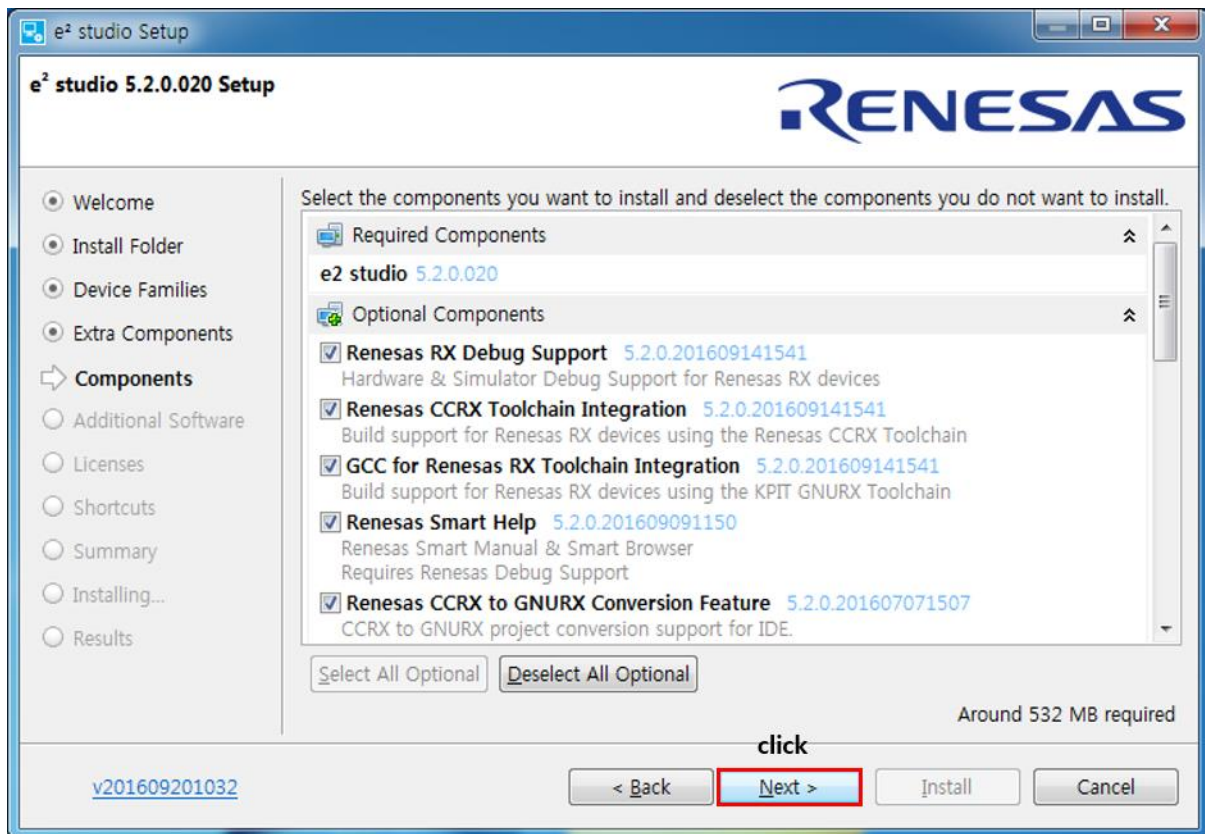
Agree

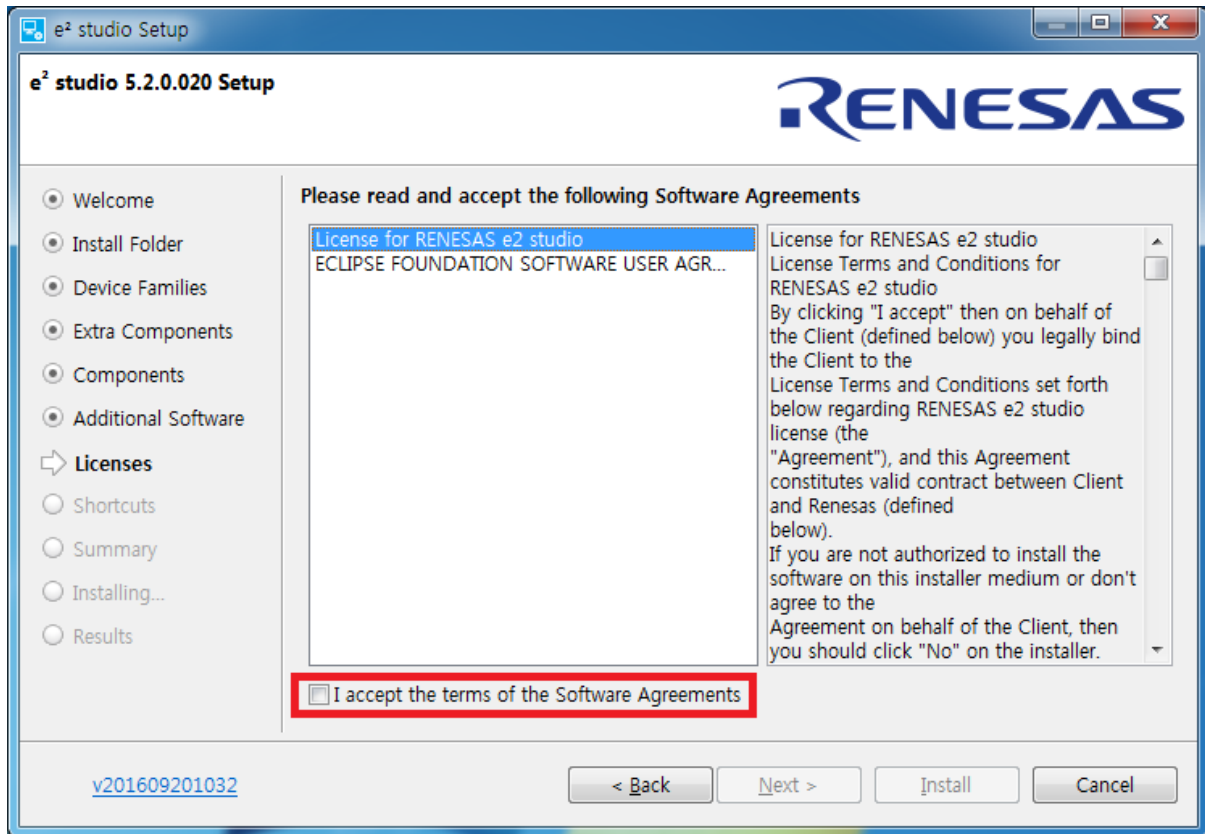
Disagree

2.2 e²studio 설치

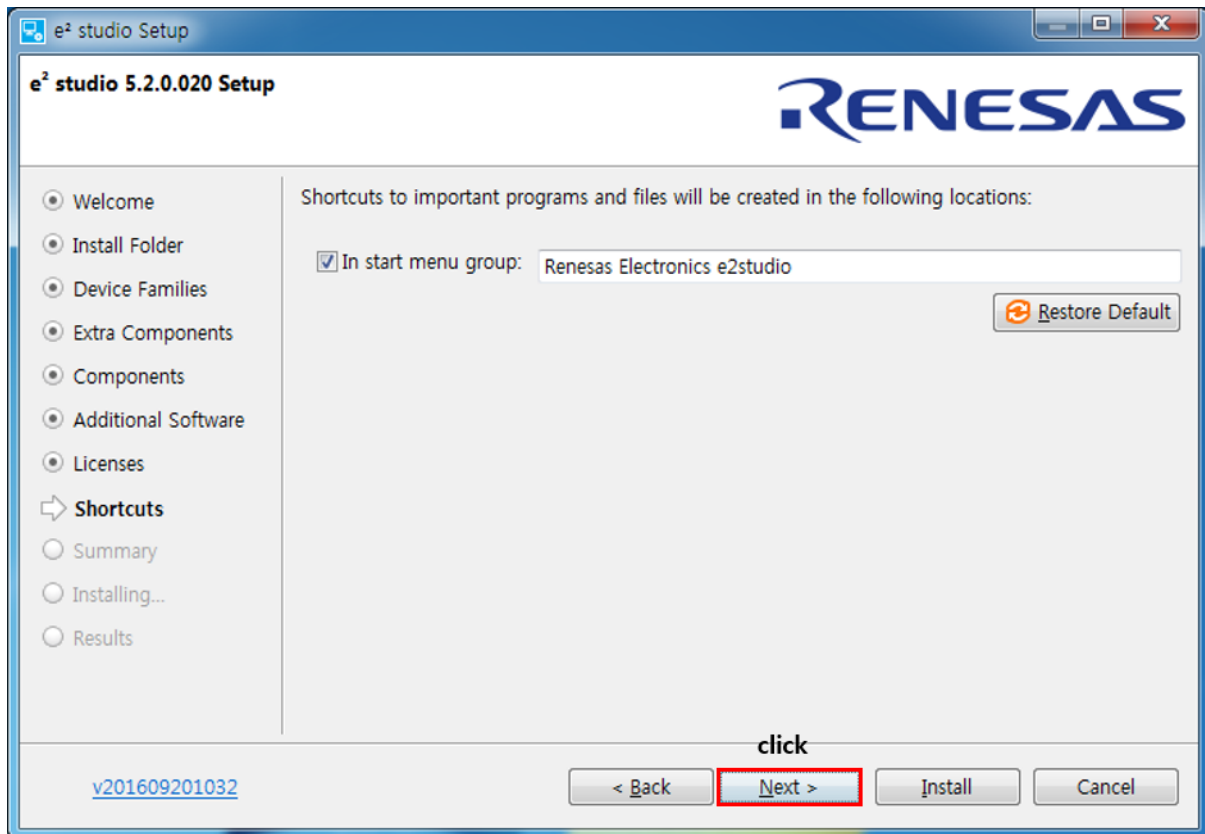


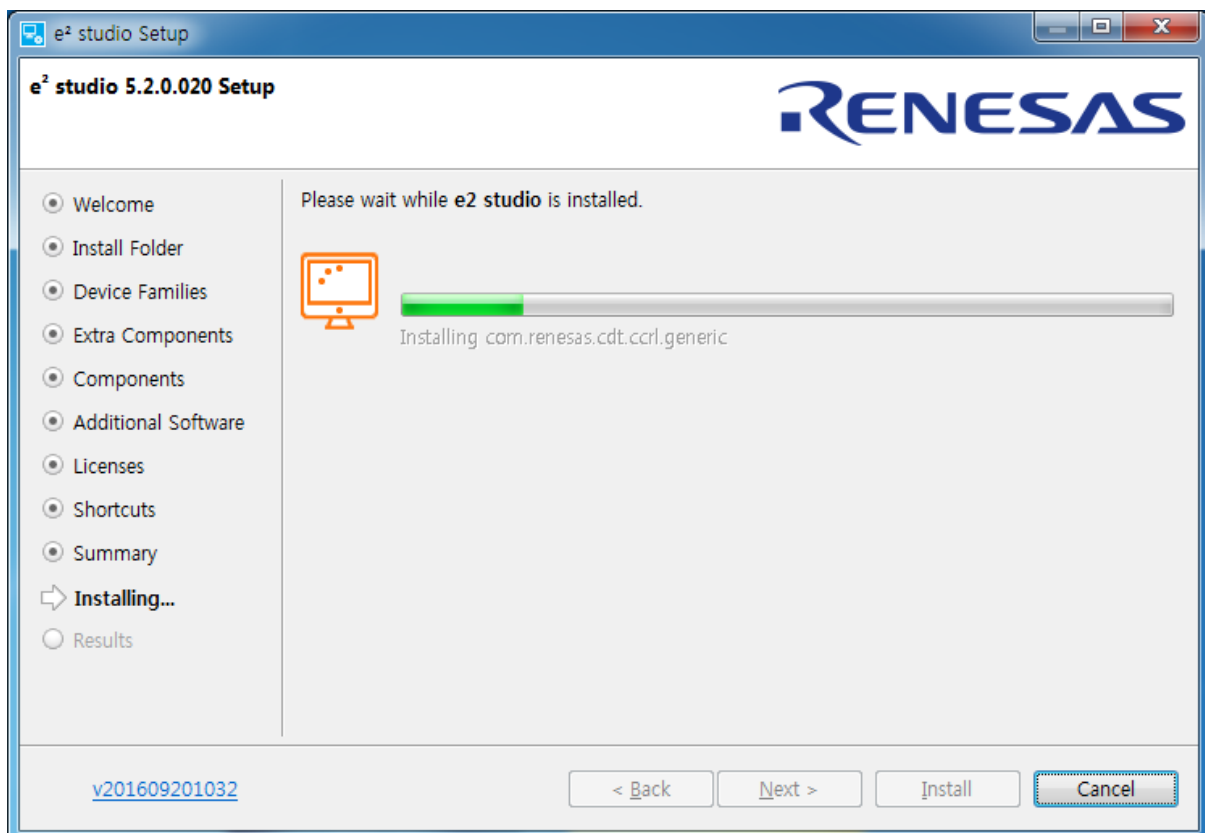
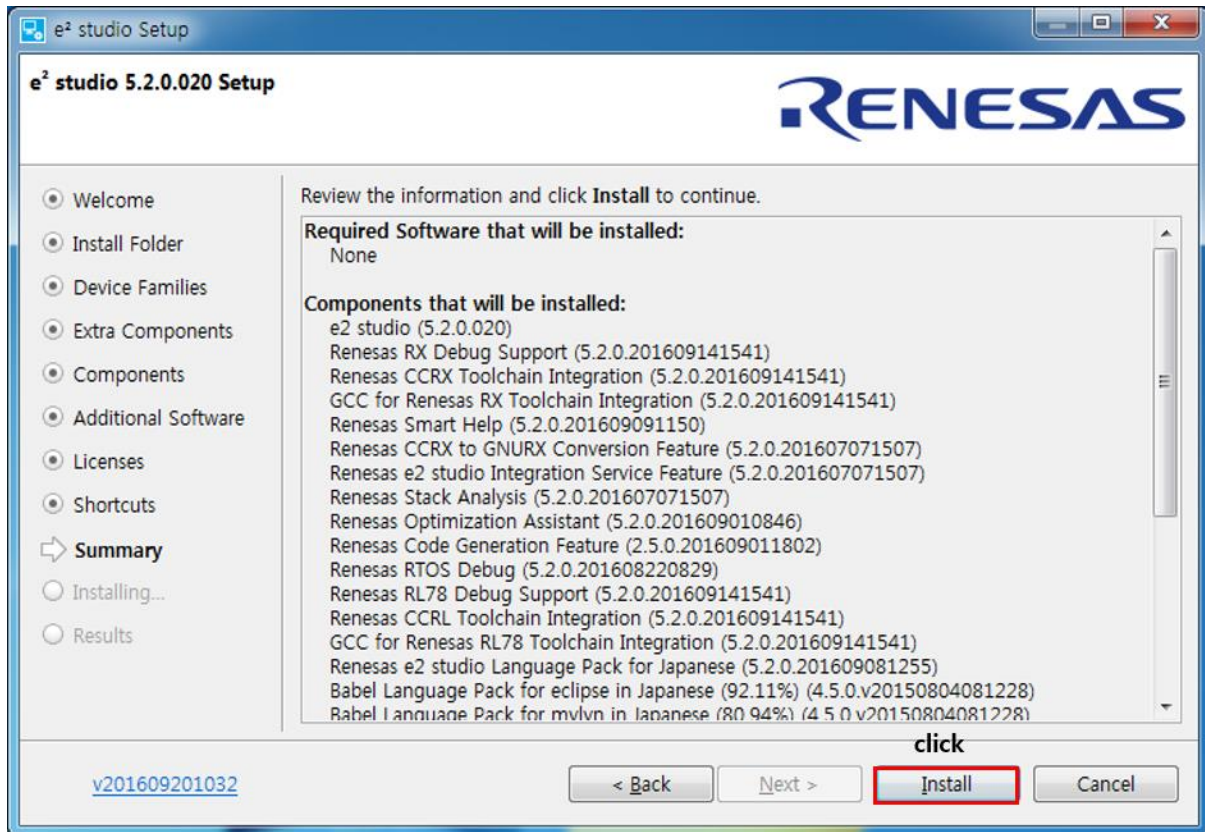




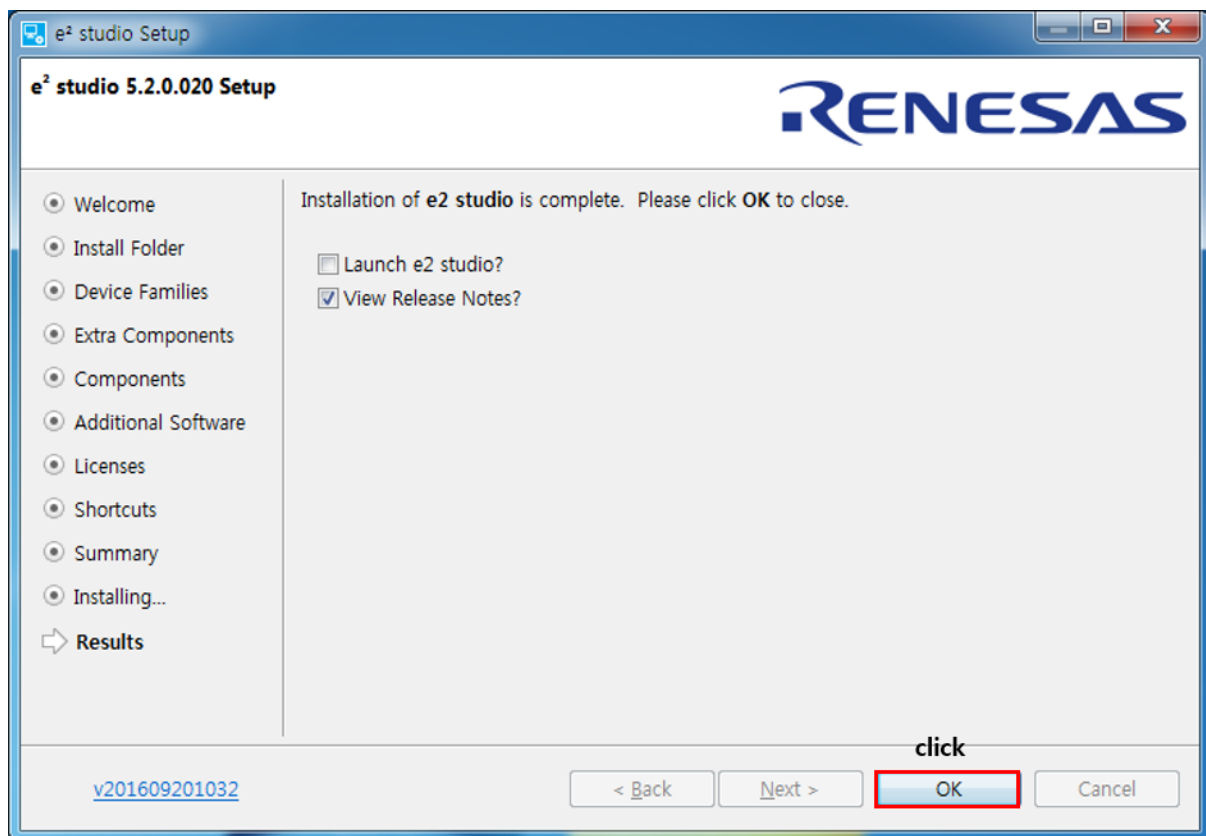


약관에 동의를 체크하고 계속 진행합니다.





컴퓨터 성능이나 설치되는 컴파일러에 따라 설치시간이 매우 길 수 있으니 여유롭게 기다립니다.
 중간중간에 USB드라이버, 컴파일러 설치로 부가적인 인스톨러들이 실행되니 계속 진행해주시요.



설치 완료

2.3 Workbench6 인스톨러 다운로드

<https://www.renesas.com/ko-kr/software/D3017716.html>

Download (D3017716)

Issue Date : Aug.10.16

카테고리 : Others

Workbench6 Software (Ver.1.05.00.00)

Applicable Products

RX113

RX130

RX230, RX231

Comments

Software for Workbench6 touch evaluation tool (Ver.1.05.00.00)

Changes from Previous Version

What's changed from Ver.1.04.04.00 to Ver.1.05.00.00.

Added support for E2 emulator Lite when e2 studio is selected

Added support to display Japanese user interface.

Added selectable the USB-Serial port setting for target board.

Added support for low baud rate burst monitor when serial communication is selected

Improved the display of part of the tuning screen.

Modified the specifications of cap touch interface.

Modified the timing of the setting of unused TS pins to set at initialization.

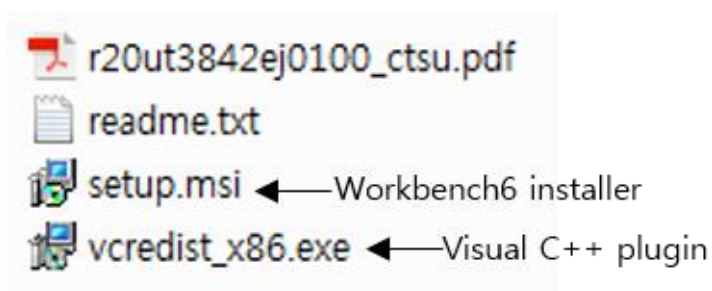
Fixed the issue of not being able to place a cap touch interface in First Step Guide.

Fixed the issue of the DTC vector table being placed outside the range when RX130 of 10KB SRAM is selected.

Fixed the issue of the parameter for response delay time for non-touch not reflecting.

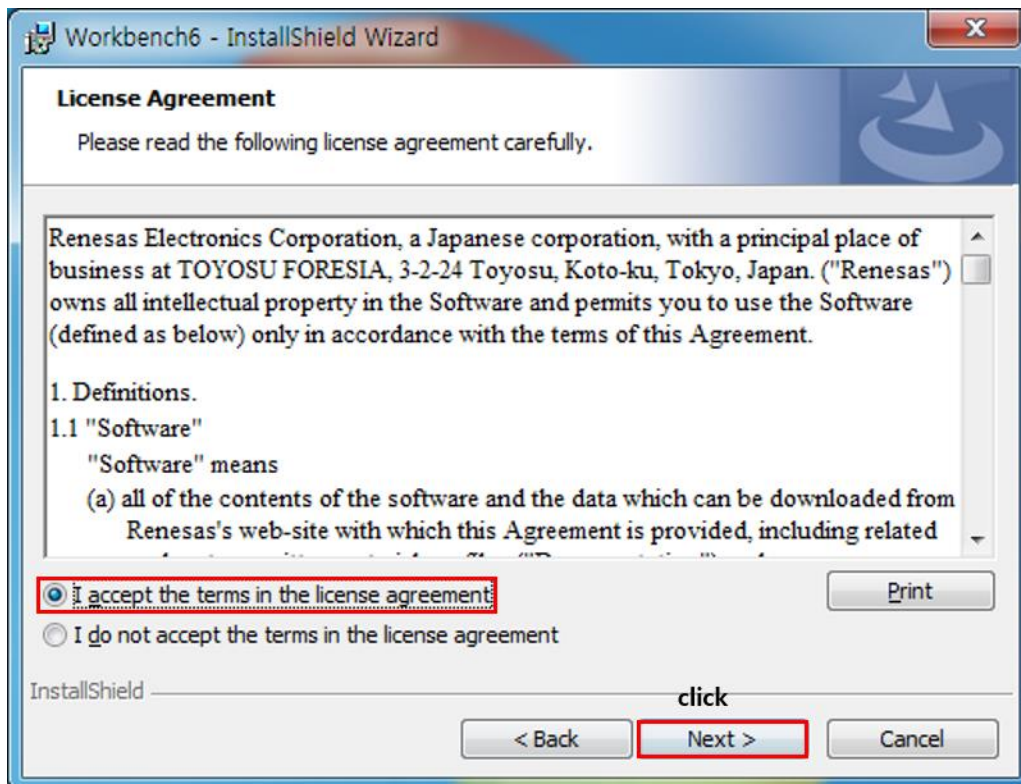
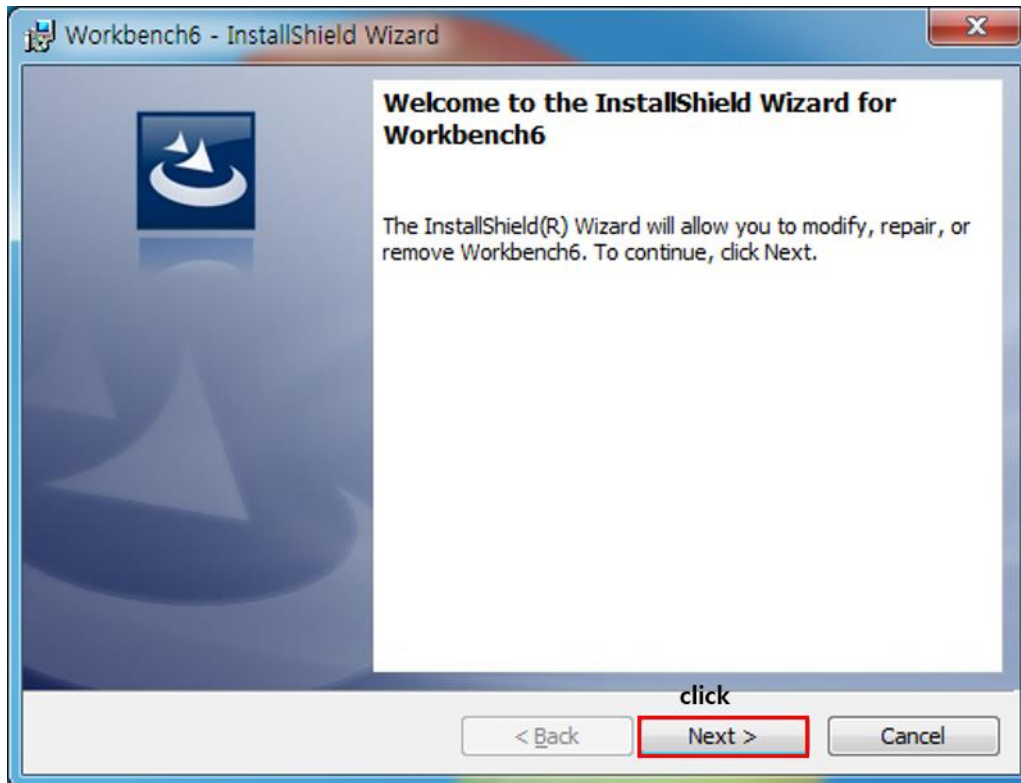
Download

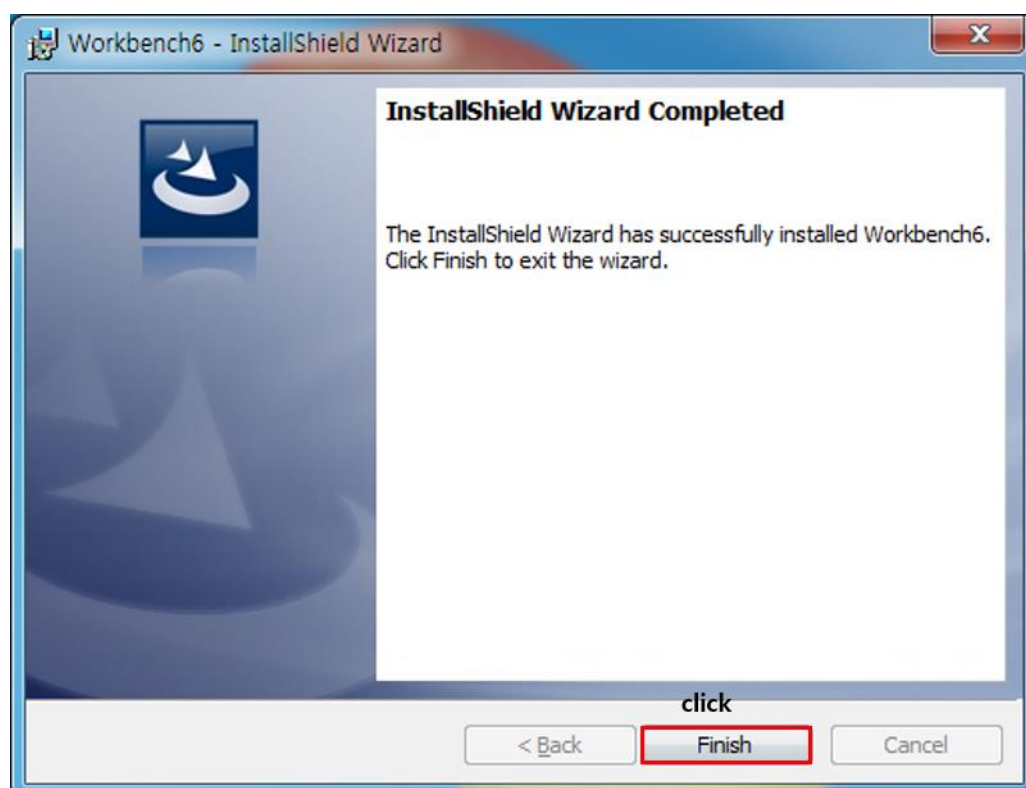
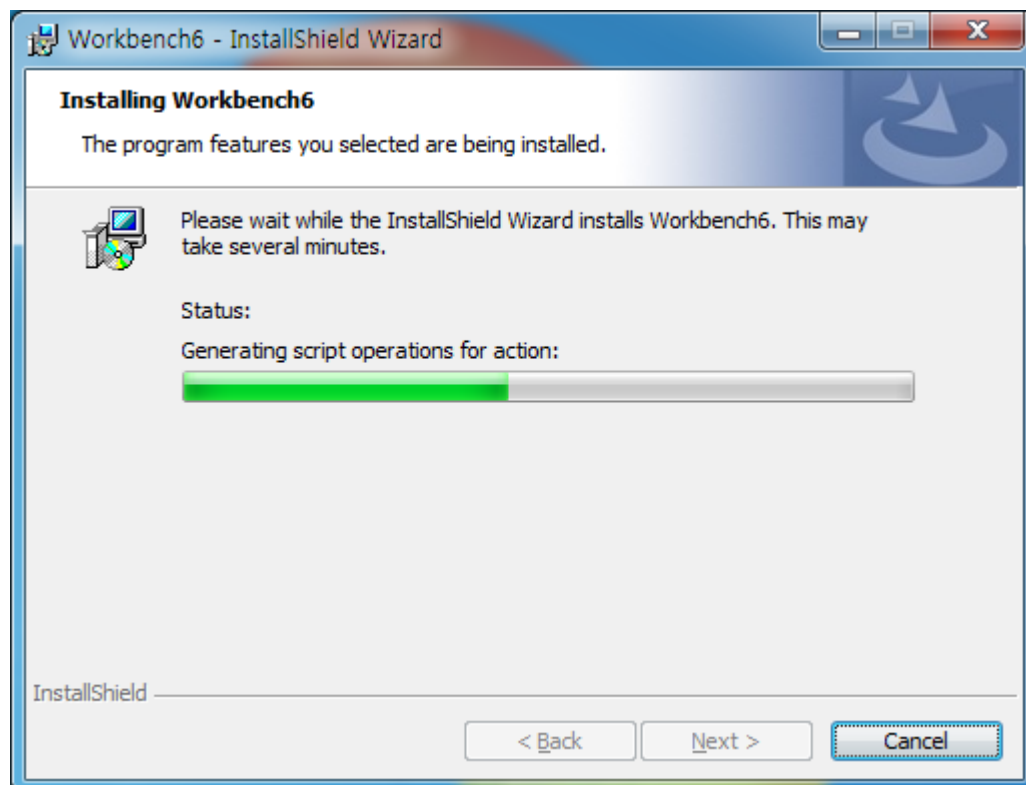
Product Name	File Name	File Size	Download Link
Workbench6 Software (Ver.1.05.00.00)	Workbench6_V1050000_E.zip	210.93 MByte	Download



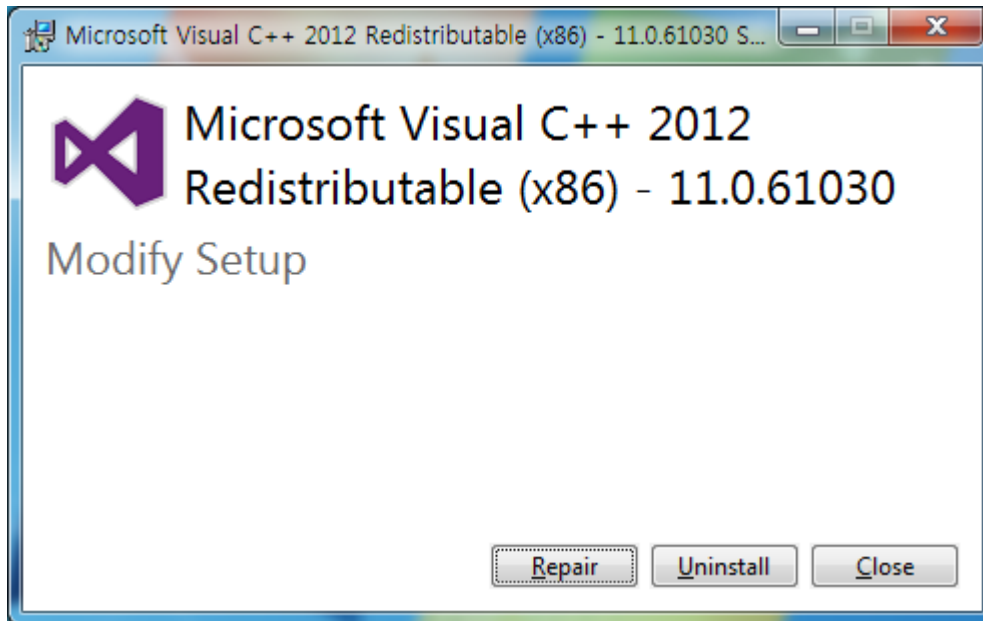
다운로드받은 .zip파일을 압축을 풀게되면 위 사진과 같은 파일들이 나올 것입니다.

2.4 Workbench6 설치

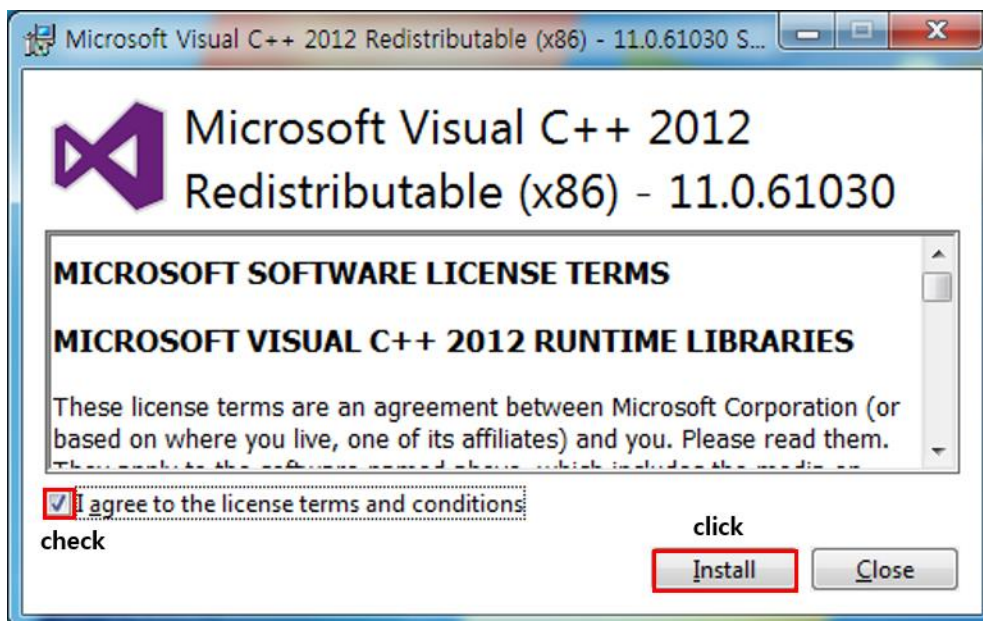




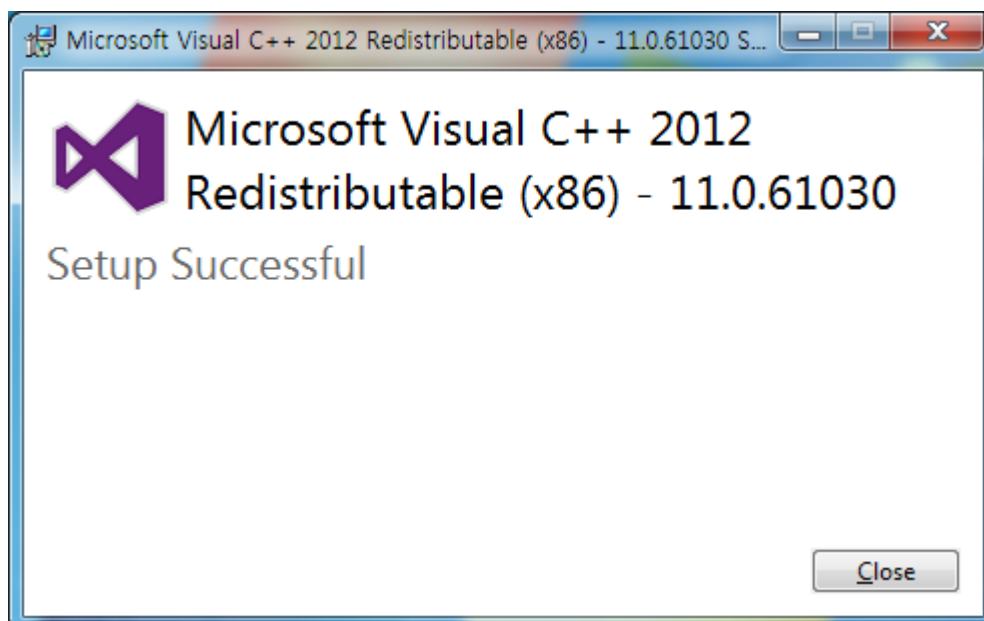
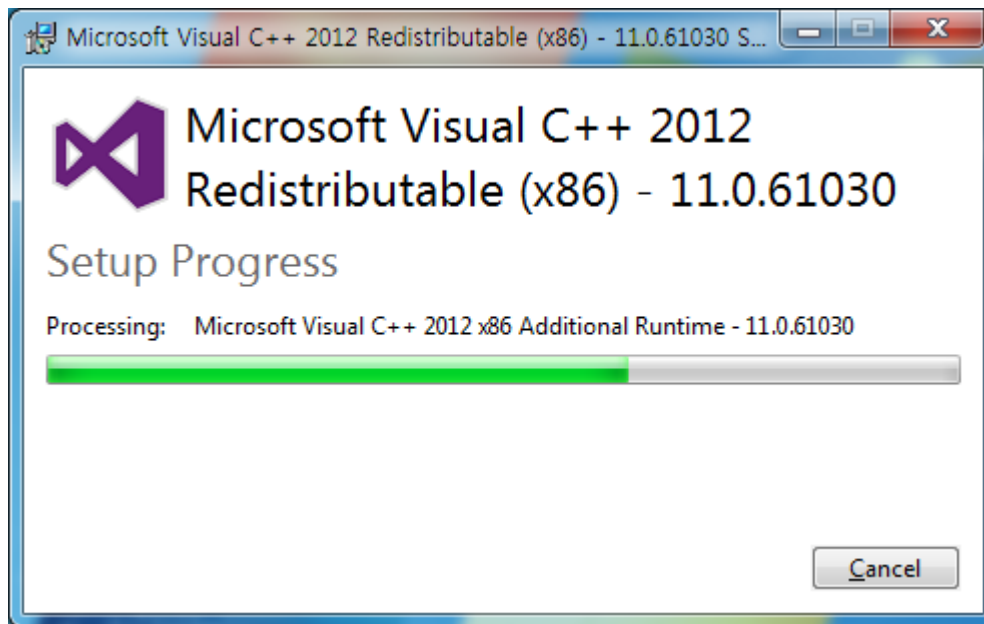
2.5 Visual C++ 플러그인 설치



만약 위 사진과 같은 화면이 뜨게 되면, 이미 설치되어 있는 것입니다.

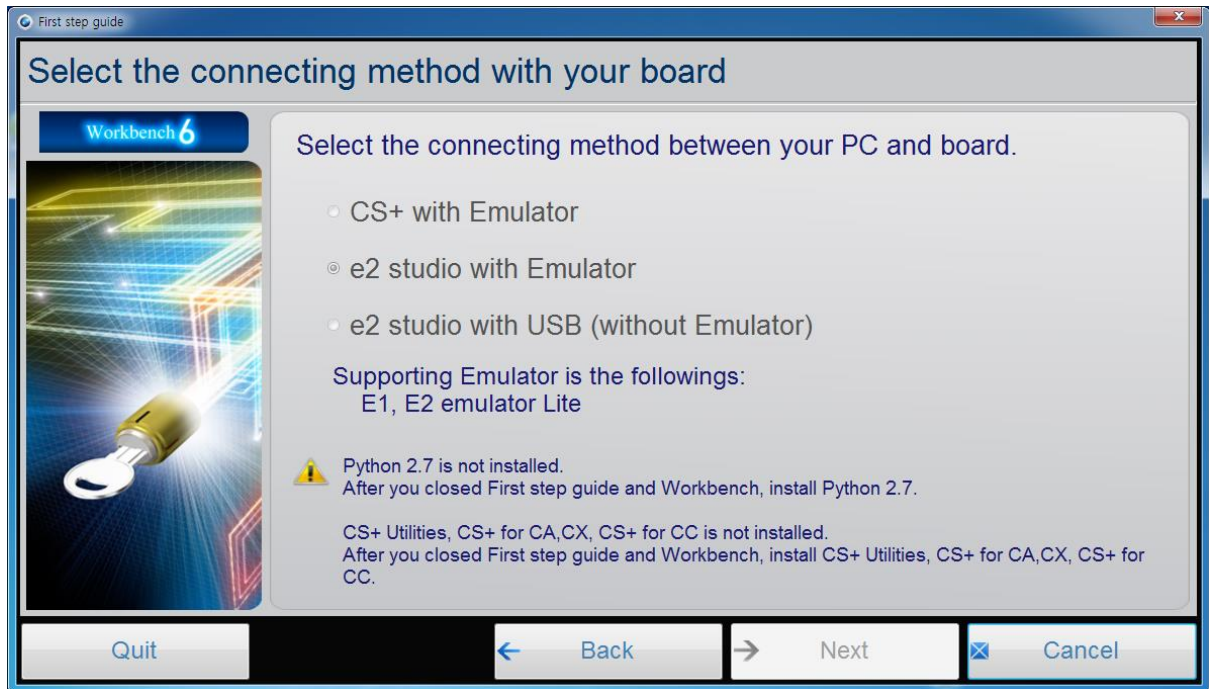


동의를 체크하고 설치를 진행합니다.



설치가 완료되었습니다

2.6 Python 2.7 설치

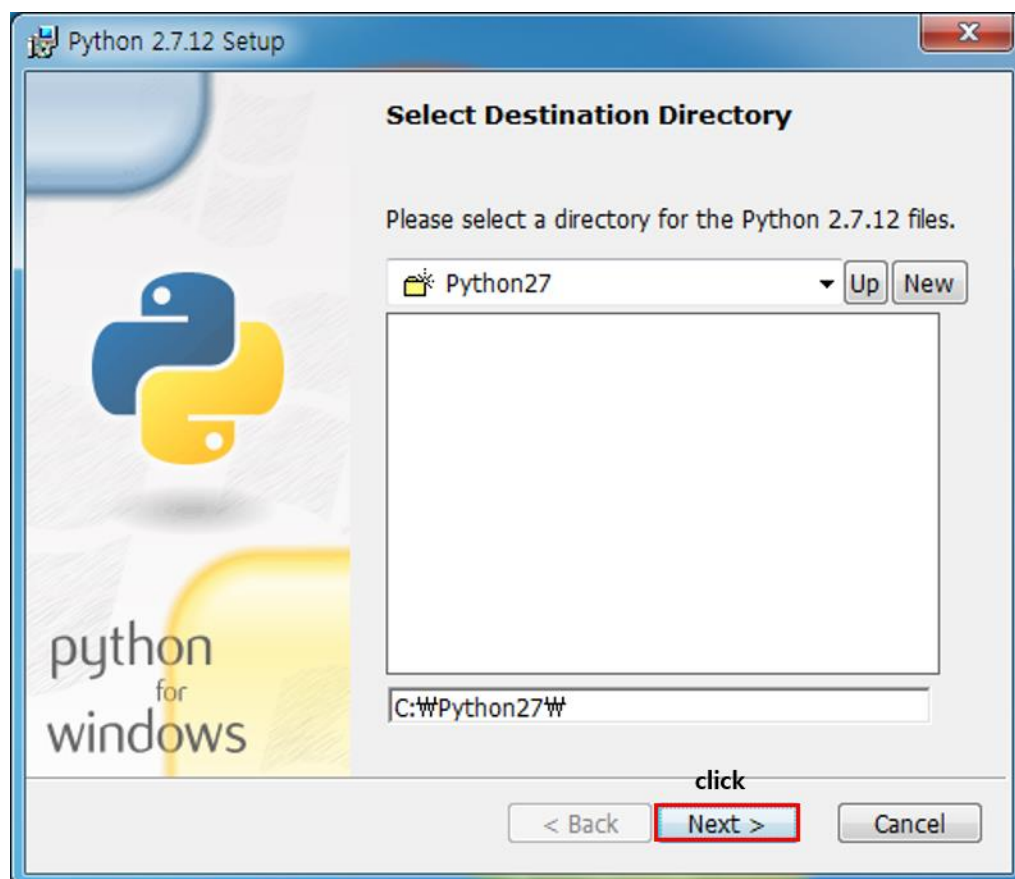
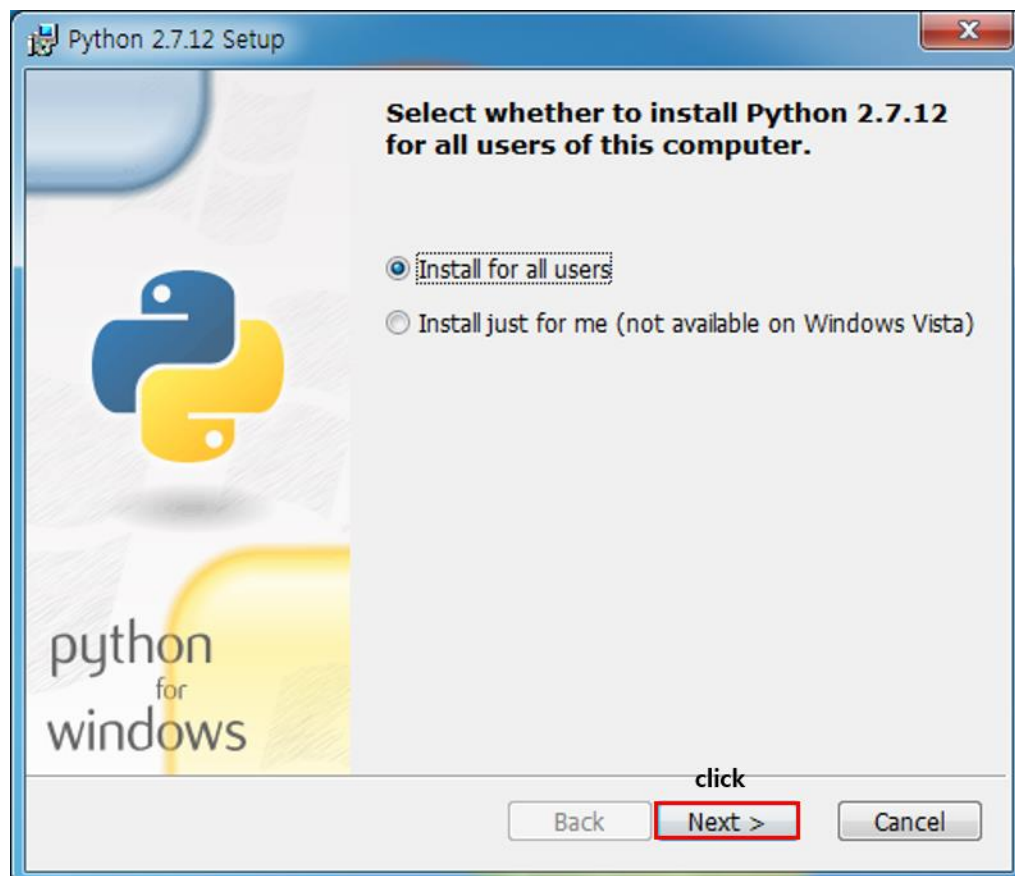


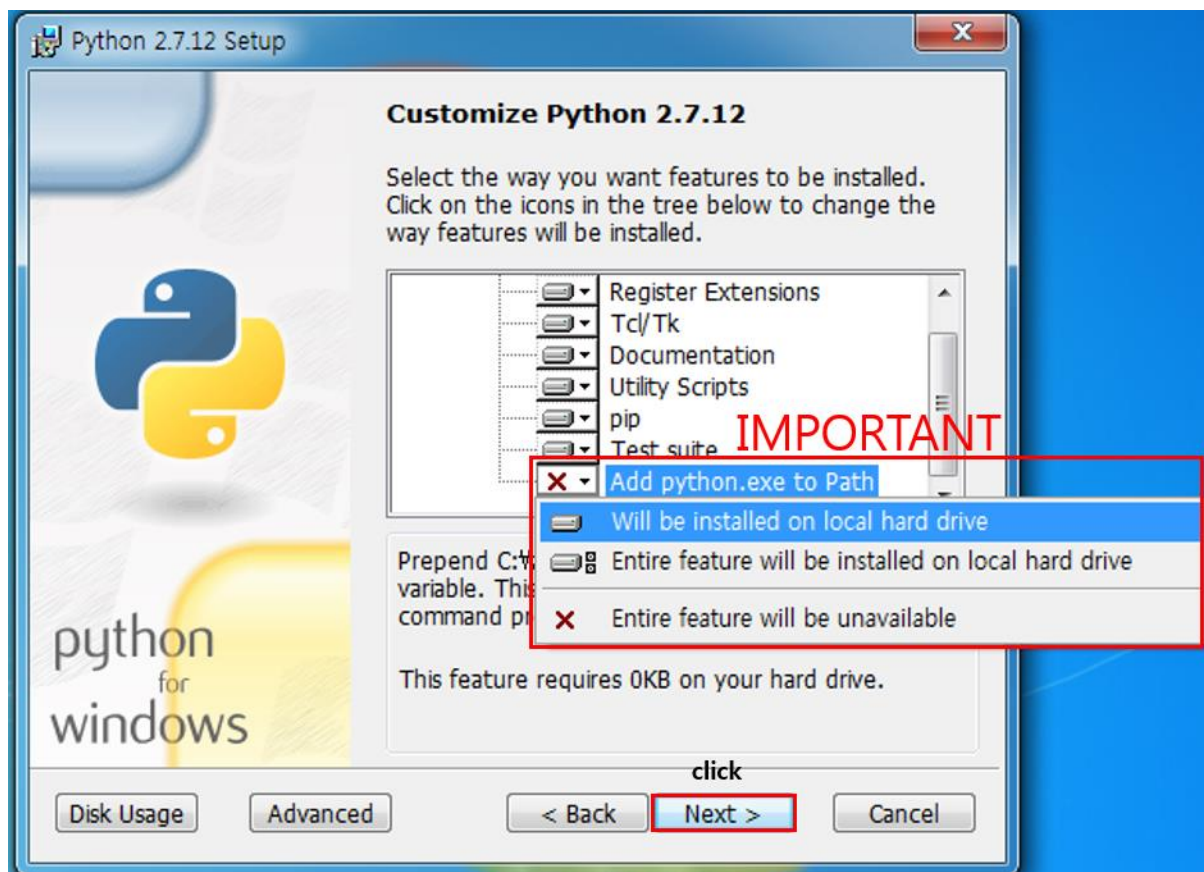
위 사진에서 보이듯이, workbench에서 e²studio를 사용하려면 Python 2.7이 필요합니다.

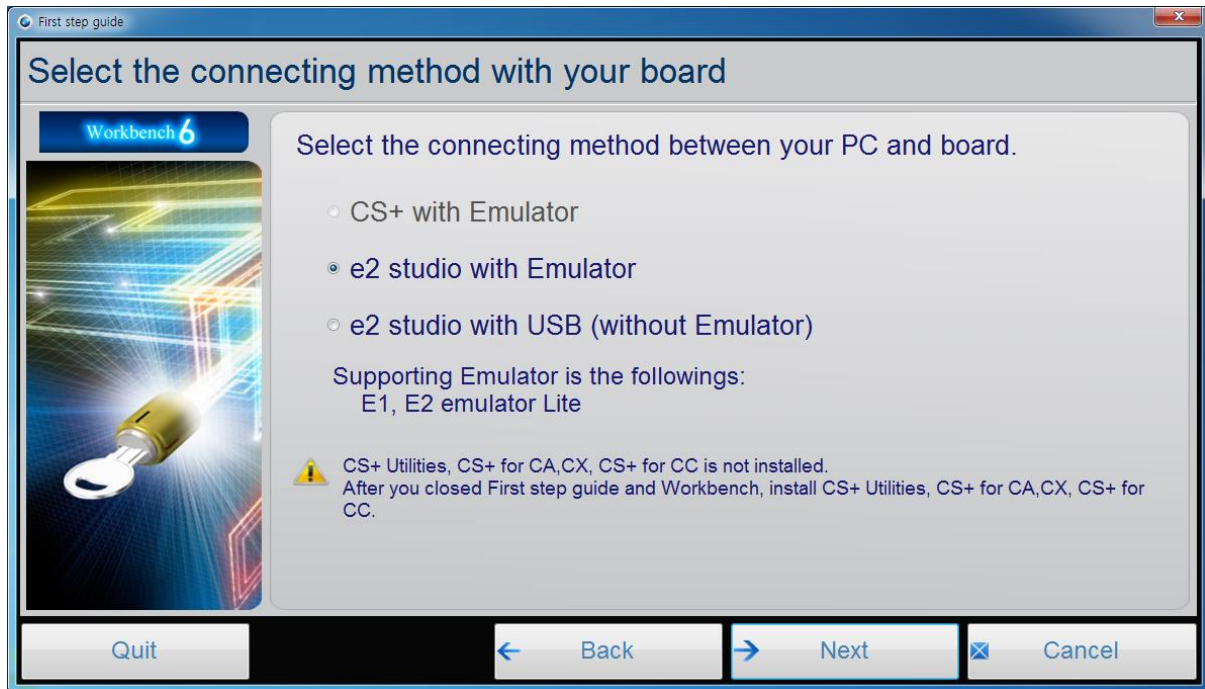
<https://www.python.org/downloads/>

위 링크로 들어가게 되면 파이썬 공식 홈페이지로 이동하게 됩니다.

<https://www.python.org/ftp/python/2.7.12/python-2.7.12.msi> 2.7.12 다운로드 링크







e²studio로 NS-RX231 개발을 위한 툴의 모든 설치가 끝났습니다.