

1. TI 관련 자료

1.1. Software 검색 방법

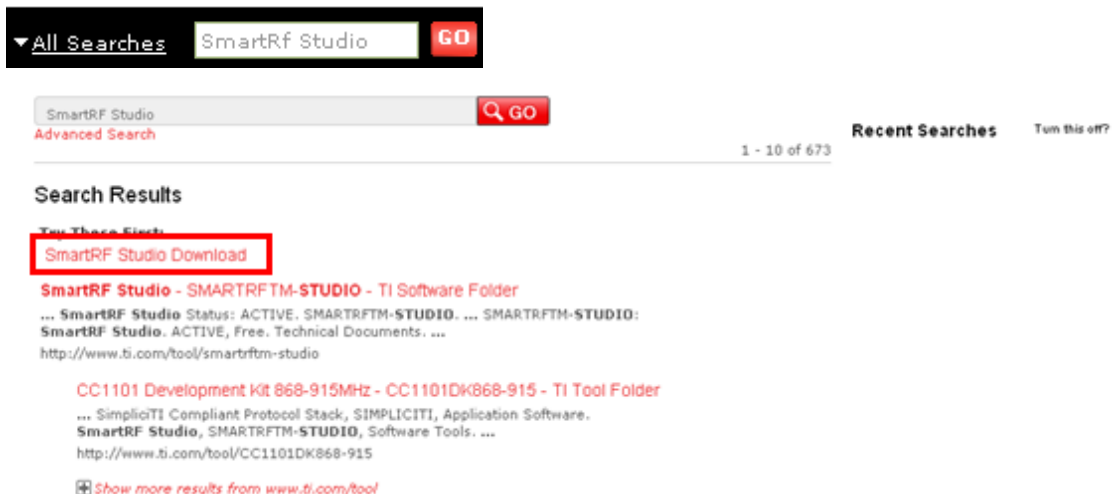
TI 사이트(www.ti.com) 방문 한다.



이곳에 찾고자 하는 Software 의 이름을 넣어서 검색한다.

최신의 문서와 프로그램을 사용할 수 있게 관련 링크는 놓지 않았습니다.

1.2. SmartRF Studio



1.2.1. Software Download

Order Now

Part Number	Texas Instruments	Status	Price (US\$)
SMARTRFSTM-STUDIO: SmartRF Studio	Download	ACTIVE	Free

1.2.2. User Manual

User Guides (2)

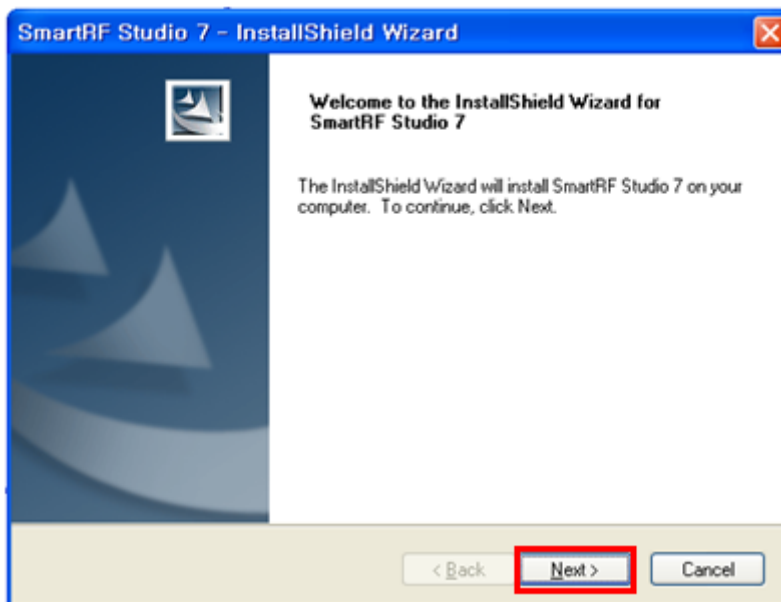
Title	Abstract	Type	Size (KB)	Date	Views
SmartRF Studio 7 Tutorial (Rev. B)		PDF	6421	19 Aug 2011	2,678
SmartRF Studio 7 Overview (Rev. B)		PDF	1101	27 Apr 2010	2,140

1.2.3. 설치

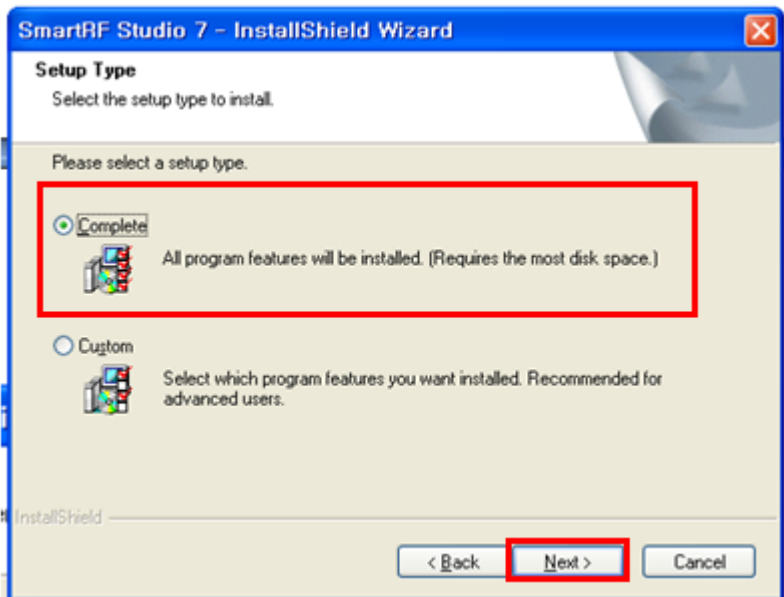
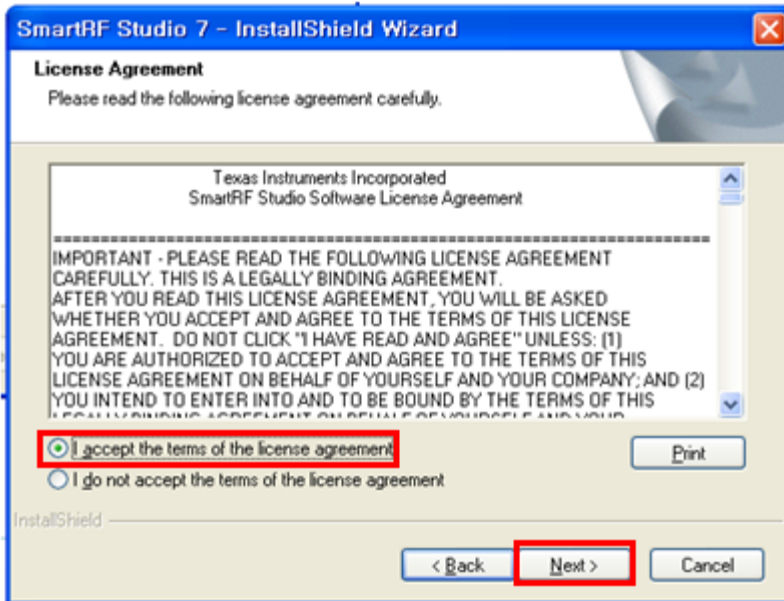
먼저 swrc176j.zip을 압축을풀어줍니다.

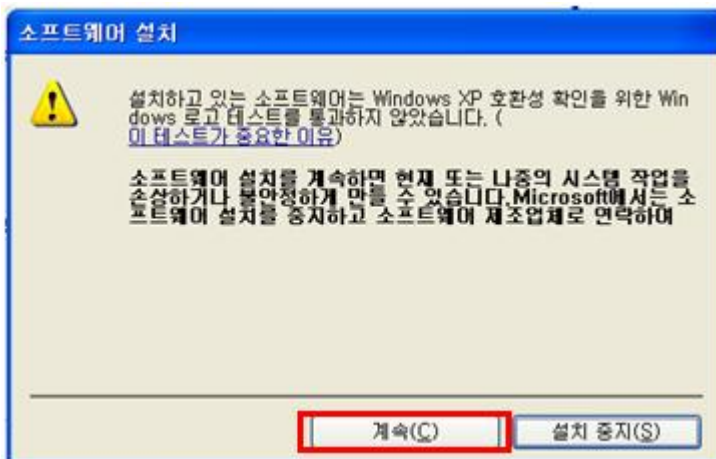
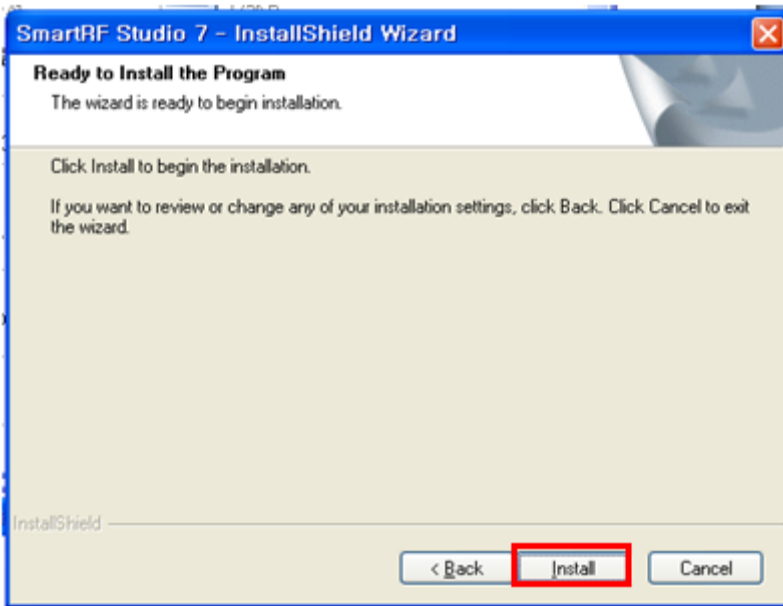


Setup_SmartRF_Studio_7-1.6.1 실행해줍니다.

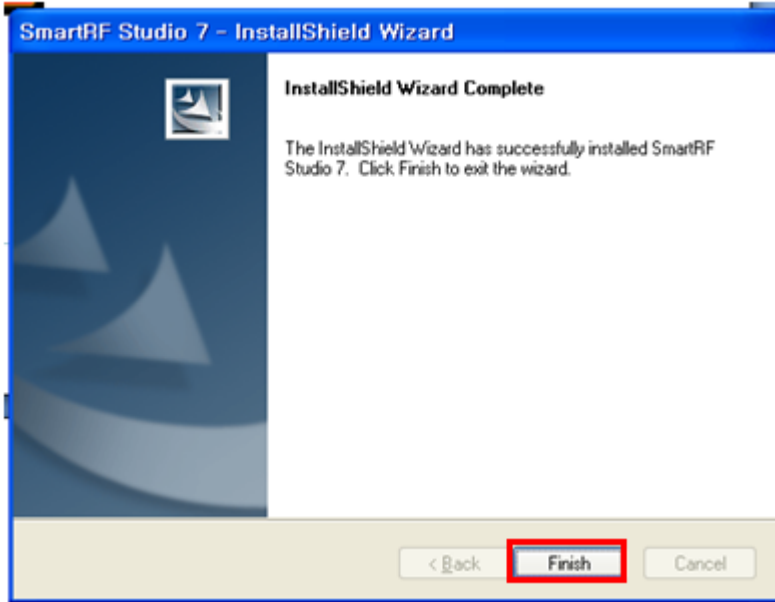


1. 오류! 참조 원본을 찾을 수 없습니다.





1. 오류! 참조 원본을 찾을 수 없습니다.



1.3. smartRF Flash Programmer

▼ All Searches smartRF Flash Programmer 🔍 GO

smartRF Flash Programmer 🔍 GO
Advanced Search 1 - 10 of 352

Recent Searches Turn this off?
> smartRF Flash Programmer
> Flash Programmer
> 1.3.
> SmartRF Studio

Search Results

SmartRF Flash Programmer - FLASH-PROGRAMMER - TI Software Folder
... SmartRF Flash Programmer Status: ACTIVE. FLASH-PROGRAMMER. ...
FLASH-PROGRAMMER: SmartRF Flash Programmer. ACTIVE, Free. ...
<http://www.ti.com/tool/flash-programmer>

Debugger and Programmer for RF System-on-Chips - CC-DEBUGGER - TI Tool Folder
... It can be used together with IAR Embedded Workbench for 8051 (version 7.51A or later) for debugging and **SmartRF Flash Programmer** for flash ...
<http://www.ti.com/tool/cc-debugger>

🔗 Show more results from www.ti.com/tool

1.3.1. Software Download

Key Document



SmartRF Flash Programmer 1.12.1 (Rev. N) (ZIP 23548 KB)

17 Oct 2011 7,871 views

> [View all technical documents \(2\)](#)

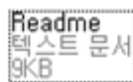
1.3.2. User Manual

User Guides (1)

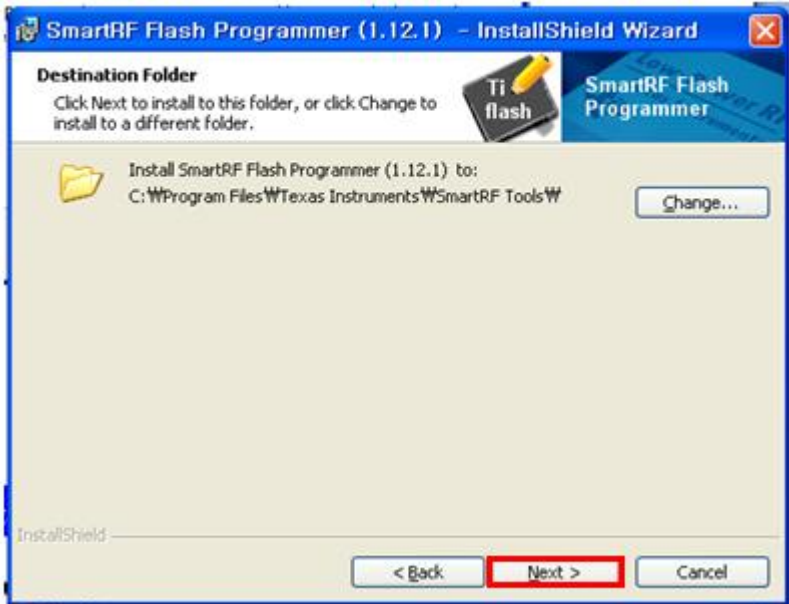
Title	Abstract	Type	Size (KB)	Date	Views
SmartRF Flash Programmer User Manual (Rev. E)		PDF	1632	14 Dec 2010	2,218

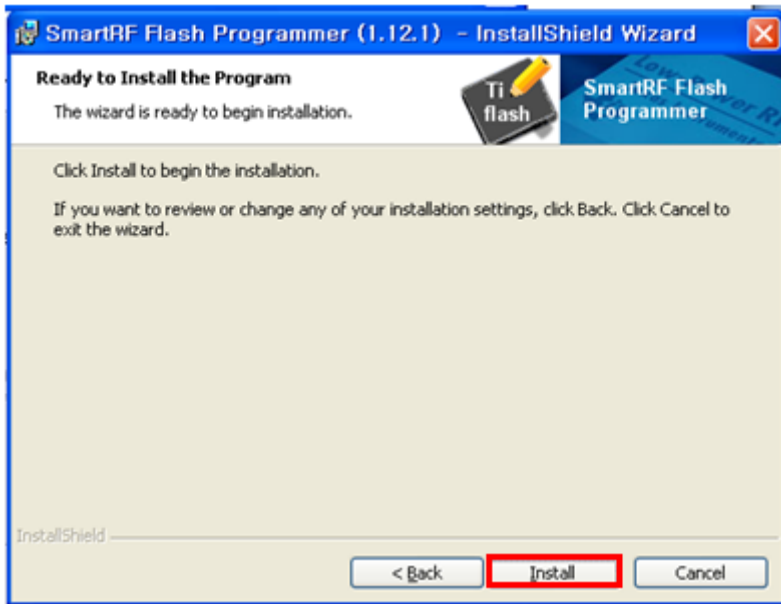
1.3.3. 설치

먼저 swrc044n.zip을 압축을풀어줍니다.



1. 오류! 참조 원본을 찾을 수 없습니다.





1.4. CC2530-Software Examples



CC2530 Evaluation Module Kit - CC2530EMK - TI Tool Folder
...CC2530 Software Examples User's Guide (Rev. A) (PDF 472 KB) ...CC2530-Software Examples (Rev. B) (zip 505 KB) ...
<http://focus.ti.com/docs/toolsw/folders/print/cc2530emk.html> - 92.43k

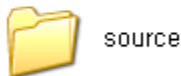
Software Download

아래로 내리다보면 Related Products 부분이 있습니다.

Related Products

TI Design Kits, Boards & Tools (3)	TI Software (1)	TI Devices (1)
Name	Part Number	Software Type
SmartRF Studio	SMARTRFTM-STUDIO	Software Tools
CC2530-Software Examples (Rev. B) (zip 505 KB) 05 Nov 2009 2356 views		
CC2530EM_1_3_1 Discrete ReferenceDesign (Rev. A) (zip 349 KB) 18 Jun 2009 2301 views		

압축을 풀면 docs, ide, source 가 있습니다.





User Manual Download

docs 폴더에 있으니 꼭 읽어 보시기 바랍니다.



1.5. CC2530 Datasheet download

▼ All Searches 

CC2530  **Advanced Search** 1 - 10 of 973

Search Results

Try These First:
CC2530 - 2.4 GHz System-on-Chip for ZigBee, RF4CE, Smart Energy applications

Part number specific results:

Part Number	Description	Part Type	Status	Company
CC2530	Second Generation System-on-Chip Solution for 2.4 GHz IEEE 802.15.4 / RF4CE / ZigBee	Device	ACTIVE	Texas Instruments
CC2530-CC2591EM-RD	CC2530-CC2591EM Reference Design	Tool/Software	ACTIVE	Texas Instruments
CC2530-CC2591EMK	CC2530-CC2591 Evaluation Module Kit	Tool/Software	ACTIVE	Texas Instruments

[+View more as Part Numbers](#)

Recent Searches [Turn this off?](#)

- > CC2530
- > CC2530 Datasheet
- > CC2530 Datasheet download
- > CC2530-Software Examples kit
- > CC2530 Examples kit

1.5.1. Datasheet download

Datasheet



CC2530 (Rev. B) (PDF 645 KB)

05 Oct 2010

CC2530 Errata Note (PDF 78 KB)

29 Apr 2009

CC253x/4x User Guide (Rev. B) (PDF 1675 KB)

24 Sep 2010

> [View all technical documents](#) (41)

3 개를 모두 받아 놓습니다.

1.6. IEEE802.15.4 Medium Access control (MAC) software stack

The screenshot shows a search engine interface. At the top, there is a search bar with the text 'IEEE802.15.4 Medium Access control (MAC) software stack' and a 'GO' button. Below the search bar, there is a 'Did you mean' section with a suggestion: '> IEEE802.15.4 Medium Access control MASC software stack'. To the right, there is a 'Recent Searches' section with a 'Turn this off?' link and a list of search terms: '> IEEE802.15.4 Medium Access control MAC software stack', '> IEEE802.15.4 Medium Access control', '> 1.6.', '> 1.6.', and '> CC2530'. The main search results are listed below. The first result is 'IEEE802.15.4 Medium Access control (MAC) software stack - TIMAC - TI Software Folder', which is highlighted with a red box. Below it, there is a second result: 'Z-Stack - ZigBee Protocol Stack - Z-STACK - TI Software Folder'. At the bottom of the search results, there is a link: 'Show more results from www.ti.com/tool'.

Description

TIMAC - IEEE802.15.4 Medium Access Control (MAC) Software Stack.

To download the free tools download one or more of these software files:

Download & Register

Download & Register **TIMAC-CC2530-1.4.0.exe** for the CC2530 System-on-Chip.

Download & Register **TIMAC-EXP5438-1.4.0.exe** for the MSP430F5438 + CC2520.

Download & Register **TIMAC-LM9B96-1.4.0.exe** for the LM3S9B96 + CC2520.

By registering, we will be able to notify you of updates when they become available and provide instructions on how to perform the update.

스택도 공부해 보면 좋을 것 같아서 링크해 놓습니다.

1.7. Z-Stack - ZigBee Protocol Stack

▼ All Searches Z-Stack - ZigBee Protocol Stack 🔍 GO

Z-Stack - ZigBee Protocol Stack 🔍 GO
Advanced Search 1 - 10 of 336

Search Results

Z-Stack - ZigBee Protocol Stack - Z-STACK - TI Software Folder
... zip (57.0MB) - contains ZStack-ZAP-MSP430 ... Z-Stack is developed and tested using compilers from ... 2007, ZigBee 2007 PRO, ZigBee RF4CE and ...
<http://www.ti.com/tool/z-stack>

IEEE802.15.4 Medium Access control (MAC) software stack - TIMAC - TI Software Folder
... Z-Stack - ZigBee Protocol Stack, Z-STACK, Application Software. ... CC2520, Second generation 2.4 GHz ZigBee/IEEE 802.15.4 RF transceiver, ...
<http://www.ti.com/tool/timac>

Show more results from www.ti.com/tool

Did you mean

> A-Stack - ZigBee Protocol Stack

Recent Searches Turn this off?

> Z-Stack - ZigBee Protocol Stack
> 1.7.
> IEEE802.15.4 Medium Access control MAC software stack
> IEEE802.15.4 Medium Access control
> 1.6.

Description

Z-Stack™ is TI's ZigBee compliant protocol stack for a growing portfolio of IEEE 802.15.4 products and platforms. Z-Stack™ is compliant with the ZigBee® 2007 (ZigBee and ZigBee PRO) specification, supporting both ZigBee and ZigBee PRO feature sets on the CC2530 System-on-Chip, MSP430+CC2520, and Stellaris LM3S9B96+CC2520. Z-Stack™ supports the Smart Energy and Home Automation profiles.

Z-Stack™ notables include:

- A fully compliant ZigBee PRO feature set on the CC2530 and MSP+CC2520 platforms
- A fully compliant ZigBee feature set on the CC2530 family of SoCs and an extensive family of MSP430 microcontrollers coupled with the latest best in class CC2520 transceiver
- A range of Sample Applications including support for the ZigBee **Smart Energy 1.1** and ZigBee **Home Automation** Profiles
- Over the Air Download support
- Incorporated support for the CC2591 (www.ti.com/cc2591) the latest RF Front end which support +20dBm transmit power and improved receive sensitivity

Download & Register (To Receive Update Notifications via e-mail)

ZigBee 2007 (ZigBee and ZigBee PRO) with Smart Energy and Home Automation

Download & Register [swrc126.zip \(59.0MB\)](#) - contains ZStack-CC2530-2.5.0.exe

Download & Register [swrc128.zip \(57.0MB\)](#) - contains ZStack-EXP5438-2.5.0.exe

Download & Register [swrc130.zip \(55.8MB\)](#) - contains ZStack-MSP2618-2.5.0.exe

Download & Register [swrc214.zip \(52.0MB\)](#) - contains ZStack-LM9B96-2.5.0.exe

Download & Register [swrc173.zip \(57.0MB\)](#) - contains ZStack-ZAP-MSP430-1.0.4.exe
(the ZigBee Applications processor to be used with MSP430 product family).

By registering, we will be able to notify you of updates when they become available and provide instructions on how to perform the update.

Note: See "Compatibility Issues" section below for correct IAR version.

1.8. 터미널 프로그램 설치

제가 오래 전부터 통신 프로그램으로 Token2Plus 라는 제품을 사용해 왔습니다.
물론 상용 프로그램이기는 하지만 30 일 동안 사용할 수 있도록 해주고 있고,
30 일이 지나면 프로그램을 삭제하고 다시 깔면 아무런 제한 없이 사용할 수 있는 프로그램입니다.
막강한 성능을 가지고 있고 사용자 편의성에 있어서도 최고라고 생각하고 있습니다.

이 프로그램이 이제는 사라질 것이고, 새롭게 단장해서 Token2Shell 이라는 이름으로 더욱
막강해졌네요.

이 프로그램 사용에 대해서 간단히 설명해 볼까 합니다.

<http://www.choung.net/Token2Shell/download>

위 사이트에 접속해서 프로그램을 다운로드 받을 수 있습니다.



Token2Shell
Version
5.2.0
Supported Platforms
Windows 2000/XP/Vista

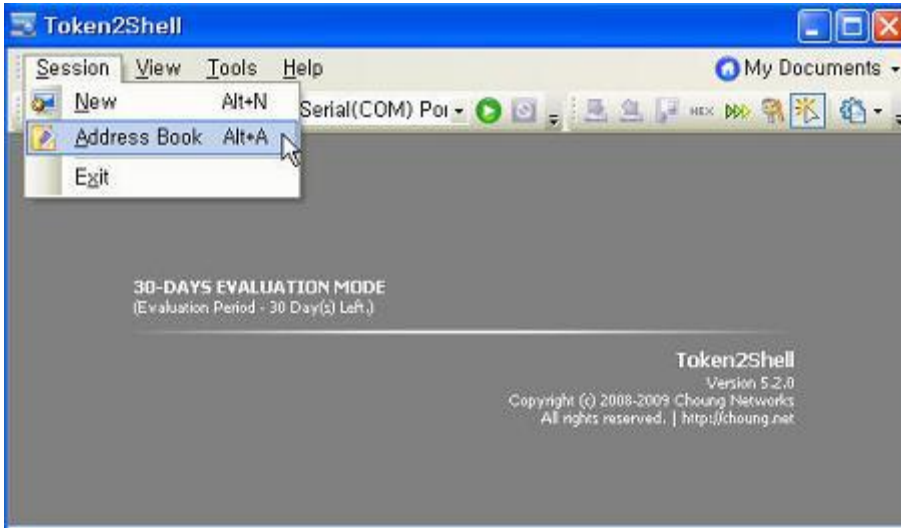
FILE NAME
Token2Shell.desktop.v520.setup.exe

SIZE
2.41 MB

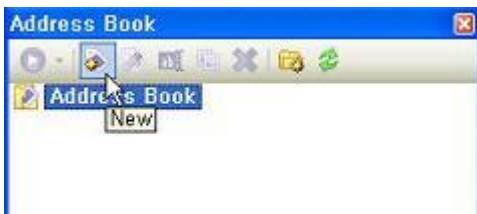
DOWNLOAD SITES
* Choung Networks (USA, Official Site)
<http://choung.net/download/Token2Shell.desktop.v520.setup.exe>

Token2Shell.desktop.v520.setup.exe 을 받아서 설치를 진행하면 됩니다.

설치 과정은 너무나도 간단해서 추가적인 설명이 필요 없겠네요 ^^



최초로 실행해 보면 30 일 evaluation mode 로 동작하고 있다는 문구가 보입니다. Session 을 선택해서 Address Book 을 수행합니다.



New 버튼을 통해서 새로운 연결을 하나 만듭니다.



Edit 버튼을 이용해서 내용을 편집하도록 합니다.

1. 오류! 참조 원본을 찾을 수 없습니다.

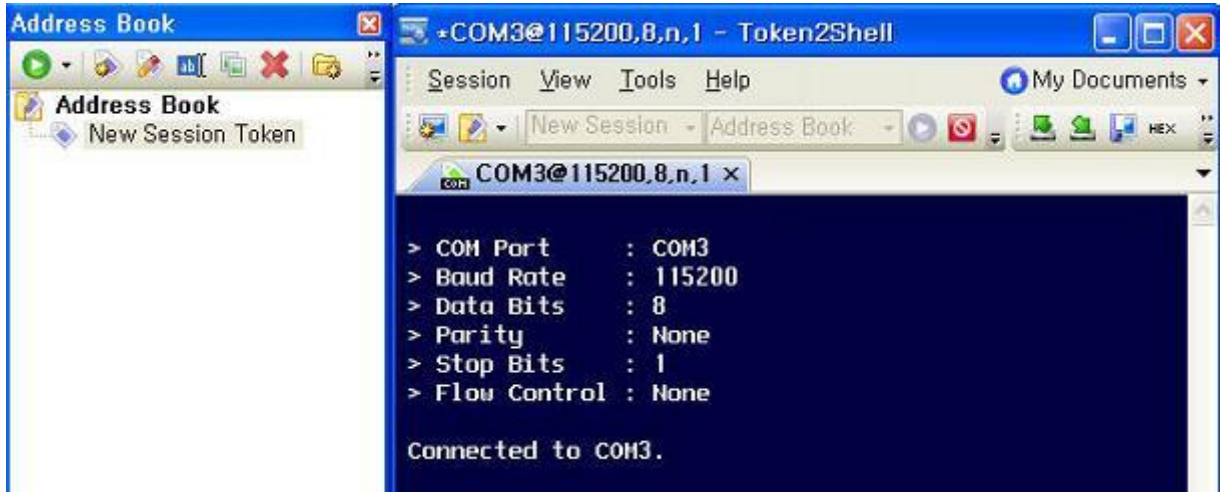


연결 형태를 Serial(COM) Port 로 설정합니다.



COM Port 번호와 Baud Rate 만 적절히 선택하면

나머지 다른 옵션들은 default 로 설정된 것을 그대로 사용해도 문제가 없습니다.



이제 생성된 New Session Token 을 더블 클릭하면
오른쪽의 그림과 같이 COM3 로 정상적으로 연결된 것을 볼 수 있습니다.

이 프로그램은 이렇게 COM Port serial 로 사용할 수도 있지만
그 외에 텔넷 등의 용도로 무척이나 다양하게 활용도가 높은 프로그램이네요.