1. CP210x Driver

CM-Zx-SERIAL 의 경우 SILICONLAB 사의 CP210x 라는 USB TO UART(VCP) 칩을 사용합니다.

이 디바이스를 사용할 경우 드라이버를 설치를 해주어야 합니다.

설치 방법은 아래와 같습니다.

1.1. CP210x Driver 다운로드 경로

사이트 : <u>http://www.silabs.com</u>

검색 :



Siliconlab를 Goolgle검색을 하게되면 아래의 위의 링크를 발견을 할 수 있습니다. 링크로 들어간 후에 Probucts > interface 로 들어가 줍니다.

AudioVideo MCUs Clocks and Oscillators Isolation and Power Moderns and DAAs Sensors Sensors Sensors Sensors			Search	nple	t +BuyorSan	ations + Suppor	Products + Applic
	Vin a Wireless MCI	<mark>−</mark> Wina	Si21xx	ILE SIAT6X	5 511111 LUS 515335	Silicon Lab	Audio/Video MCUs Clocks and Oscillators Isolation and Power Modems and DAAs Sensors
Interface 05450/w 515225 51/7/w 5121wr Si1	Register to win an 6i1000 wireless MCI	Regist Si1000	CiOlaw	51/7/1	CIEDOE	05150/2	voice Interface

USB Bridges > USB to UART BridgeTools > Virtual Com Port(VCP) Download 클릭 해줍니다.

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CP210x USB to UART Bridge VCP Dri	vers	

The CP210x USB to UART Bridge Virtual COM Port (VCP) drivers are required for device operation as a Virtual COM Port to facilitate host communication with <u>CP210x</u> products. These devices can also interface to a host using the <u>USBXpress</u> direct access driver.

Download for Windows XP/Server 2003/Vista/7 (v6.5)

The CP210x Manufacturing DLL and Runtime DLL have been updated and must be used with v6.0 and later of the CP210x Windows VCP Driver. Application Note Software downloads affected are AN144SW.zip, AN205SW.zip and AN223SW.zip. If you are using a 5.x driver and need support you can download archived <u>Application Note Software</u>.

- VCP Driver Kit
- Revision History
- USB Driver Installation Utility Application Note, AN335
- USB Driver Installation Utility Software, AN335SW

Download for Windows 2K (v6.3a)

- VCP Driver Kit
- Revision History

Download for WinCE

- VCP Driver for WinCE 6.0 (2.1)
- VCP Driver for WinCE 6.0 Revision History
- VCP Driver for WinCE 5.0 (2.1)
- VCP Driver for WinCE 5.0 Revision History

Download for Macintosh OSX (v2.9)

- VCP Driver Kit
- Revision History

Download for Linux (2.6.x and 2.4.36)

- VCP Driver Kit
- Revision History

위의 자기에게 맞는 환경에 대한 Driver를 다운을 받으시면 됩니다.

1.2. driver를 download 및 설치 (windows 기준)

CP210x USB to UART Bridge VCP Drivers

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VCP Driver Kit

- Revision History
- USB Driver Installation Utility Application Note, AN335
- USB Driver Installation Utility Software, AN335SW

Download for Windows 2K (v6.3a)

<u>VCP Driver Kit</u>
 <u>Revision History</u>

Windows 2k 쪽의 VCP Driver kit를 다운받습니다.

CP210x_VCP_Win2K 2011-12-09 오章 4:39 InstallScript Setup Launcher

다운받은 CP210x_VCP_Win2K를 설치를 해줍니다. 설치 과정은 다음과 같습니다. 저는 Windows XP의 환경입니다.



실행을 해줍니다.

Silicon Laboratories CP210x VCP Drivers for Windows 2000 - In 🗙		
	Welcome to the InstallShield Wizard for Silicon Laboratories CP210x VCP Drivers for Windows 2000 v6.3a The InstallShield Wizard will copy Silicon Laboratories CP210x VCP Drivers for Windows 2000 v6.3a onto your computer. To continue, click Next.	
	< <u>B</u> ack <u>N</u> ext > Cancel	

위의 창을 확인 후 Next를 클릭해줍니다.

Silicon Laboratories CP210x VCP Drivers for Windows 2000 - In	×
License Agreement Please read the following license agreement carefully.	
International States and the second states of th	
I go not accept the terms of the license agreement	
InstallShield 2 < <u>Back Next</u> Cancel	

I accept the tems of the license agreement 를 설정후 Next를 클릭해줍니다.

Silicon Laboratories CP210x VCP Drivers for Windows 2000 - In 🔀
Choose Destination Location Select folder where setup will install files.
Setup will install Silicon Laboratories CP210x VCP Drivers for Windows 2000 v6.3a in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder c:\SiLabs\MCU\CP210x\Windows_2K Browse
< <u>B</u> ack <u>N</u> ext > Cancel

원하는 위치를 설정후 Next를 클릭해줍니다. 저는 기본설정으로 해주었습니다.

Silicon Laboratories CP210x VCP Drivers for Windows 2000 - In 🔀
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< <u>B</u> ack Install Cancel

Install를 클릭해줍니다.

Silicon Laboratories CP210x VCP Drivers for Windows 2000 - Insta		
	InstallShield Wizard Complete The InstallShield Wizard has successfully copied the Silicon Laboratories CP210x VCP Drivers for Windows 2000 v6.3a to your hard drive. The driver installer listed below should be executed in order to install drivers or update an existing driver. I aunch the CP210x VCP Driver Installer. Click Finish to complete the Silicon Laboratories CP210x VCP Drivers for Windows 2000 v6.3a setup.	
	< <u>B</u> ack Finish Cancel	

설치완료후 Finish를 클릭해줍니다. 그러면 아래의 CP210x USB to UART Bridge Driver를 설치하는 창 이나옵니다. 설치위치 확인후 Install를 클릭해줍니다.

Silicon Laboratories	CP210x USB to UART Bridge Driv 🗙
Silicon Laboratories Silicon Laboratories CF	2210x USB to UART Bridge
Installation Location:	Driver Version 6.3
C:₩Program Files₩Silabs₩	MCU₩CP210×₩
Change Install Location	Install Cancel

설치완료.