USB TO SERIAL CONVERTER



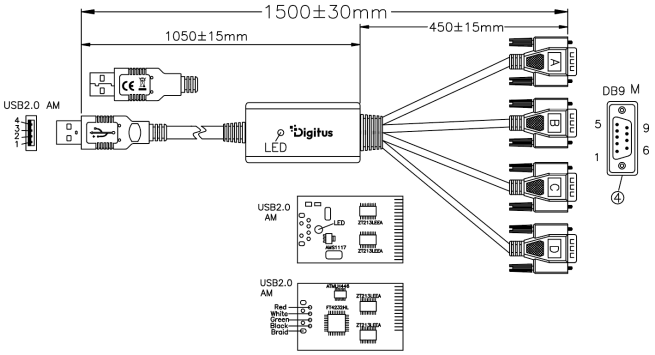
Manual

DA-70159 Rev.2

Introduction

Congratulations on your purchase of the USB-Serial adapter. This device provides a simple and easy way to connect Universal Serial Bus (USB) and Serial port interface. With the advantage of USB port, users have the capability to utilize the peripheral with serial port interface in an easy-to-use environment such as plug and play & hot swap function. This adapter is designed for ideal connections to Cellular Phone, Digital Camera, Modems or ISDN terminal adapter with over 120k bps data transfer rate. The USB-Serial adapter and software drivers are capable of providing a no-firmware change feature that enables USB interface to be transparent to serial port peripherals with minimum modifications.

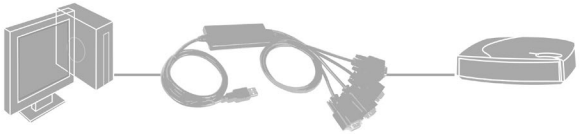
Technical drawing



Specifications & Features

- USB specification 1.1 or 2.0 compliant
- Support RS232 serial interface DB9
- Support over 1 Mbps data transfer rate
- Support remote wake-up and power management
- Support four individual RS232 Serial ports
- Suitable for PDA and Modem or more
- Supports Windows 11, 10, 8.1, 8, 7, Vista, XP, Mac OS X and Linux
- Chipset: FT4232HL

Application



PC | USB to RS232 | Devices with RS232 Serial Port x 4

Attention

- The following cases are driver-free. For other scenarios, install the driver first, then connect to the RS232 devices.
- For Windows 11, 10 ,8 / 8.1 if there is network connection; driver will install automatically
- macOS 10.9 ~ 12, Natively driver free. System includes the Apple USB FTDI driver; genuine devices are recognized directly.
- macOS 13 / 14 (Ventura / Sonoma) Driver free for genuine chips; manual installation required for clone chips. Security policies may block counterfeit devices. Install the official VCP driver and allow its loading in "Privacy & Security".
- macOS Apple Silicon (M1/M2/M3) Supported. Natively compatible with official drivers.

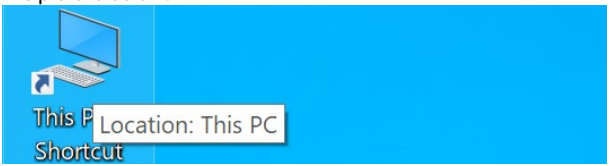
For Windows

Installing Drivers

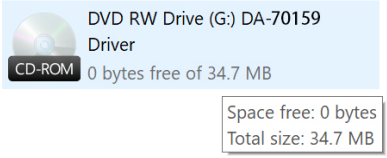
To install drivers for a DA-70159 device under Windows 11,10,8,7, follow the instructions below:

- Connect the device to a spare USB port on your PC.
- If there is an available Internet connection, Windows 10 will connect to the Windows Update website and install any suitable driver it finds for the device.
- If the automatic installation takes place there is no need to continue with the procedure outlined below.
- If no suitable driver is automatically found, then the following procedure should be followed. Press the Windows start button to bring up the start menu and select “Control Panel”.
- If the automatic installation takes place there is no need to continue with the procedure outlined below.
- If no suitable driver is automaticity found, then the following procedure should be followed.

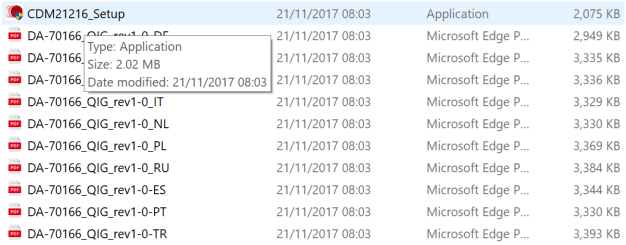
Insert the CD and double click to open this computer. As shown in the picture below:



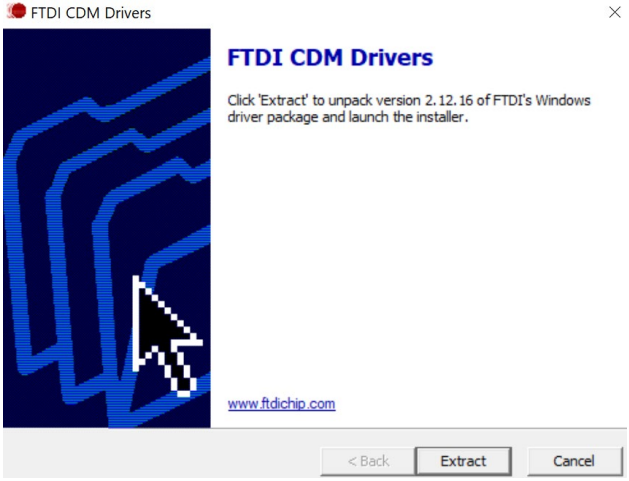
Select the disc in the optical drive and open it.



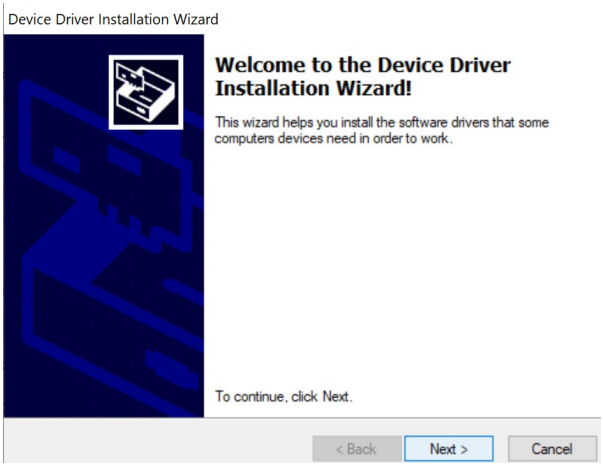
Select files in the driver program: “CDM21216_Setup”



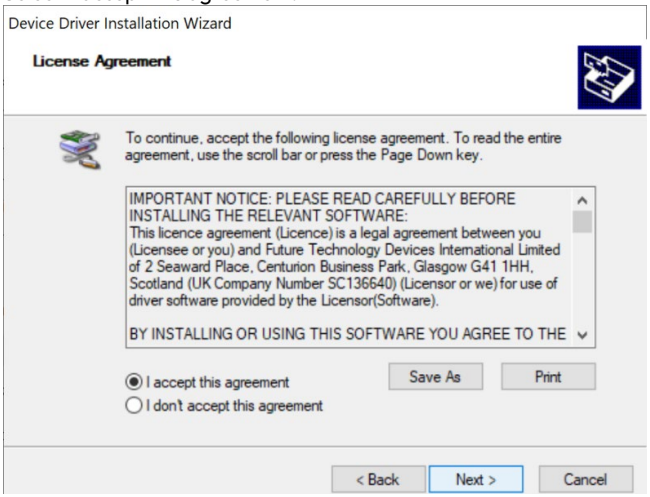
Double click to run this program, click 'Yes'. Then click on 'Extract'



Then click on 'Next'.



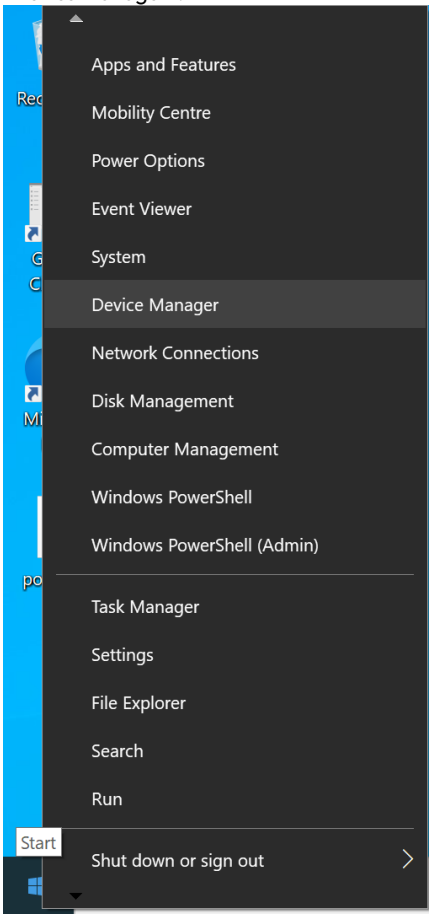
Select 'I accept this agreement.'



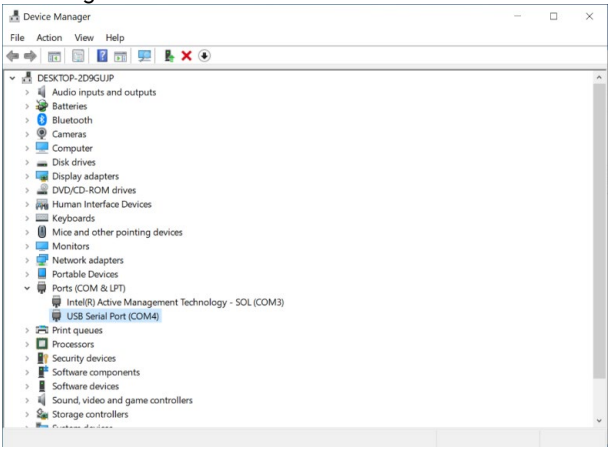
Click "Next", then click "Finish" to complete the installation.



Press the Windows start button to bring up the start menu and select "Device Manager".



Click on 'Device Manager' and 'USB Serial Port' will appear, indicating successful installation.



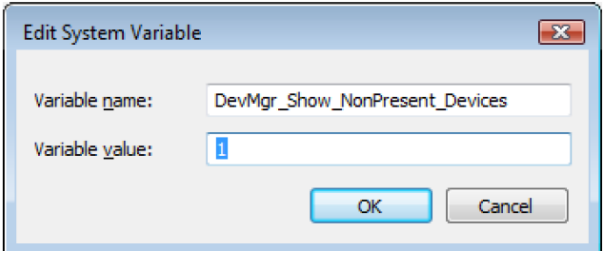
NOTE: Not all devices will be installed to COM3. The COM port allocation is determined by the installation wizard based on the next free COM port as designated in the PC registry.

This stage is done twice. Once for the device under Ports (COM & LPT) and once for the device under Universal Serial USB Controllers. Windows 2000, XP and Server 2003 do not have this check box, so driver files and OEM INF and PNF files must be removed manually or by using a custom application.

Some points to note about the new un-installation method:
If the files are deleted while other installed devices still require them those devices will not work correctly. This can be fixed by right clicking the device and selecting "Reinstall Driver" which will replace the missing files. If a device uninstalled is not connected to the PC, the device can still be removed by setting up the device manager to

show phantom devices. This also allows a virtual COM port to be uninstalled if the bus layer has been removed first.

- To display phantom devices in Device Manager, a new system variable is required. Open "Control Panel > System" then select the "Advanced" tab and click "Environment Variables". In the System Variables section **(NOT THE USER VARIABLES SECTION)**, click "New..." to display the following window:



Create a new System Variable called "DevMgr_Show_NonPresent_Devices" and set the value to 1, then click OK.

Open the Device Manager ("Control Panel > System", then select the "Hardware" tab and click "Device Manager...", or "Control Panel > Device Manager" in Windows 7) and select "View > Show Hidden Devices". Device Manager will then show all hidden and phantom devices available on that PC as shaded.

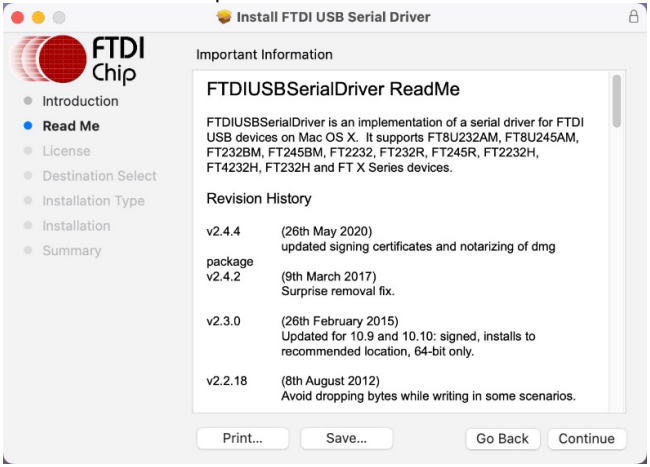
If you are certain of the source of the driver the warning can be ignored and you can continue installation by selecting “Install this driver software anyway”.

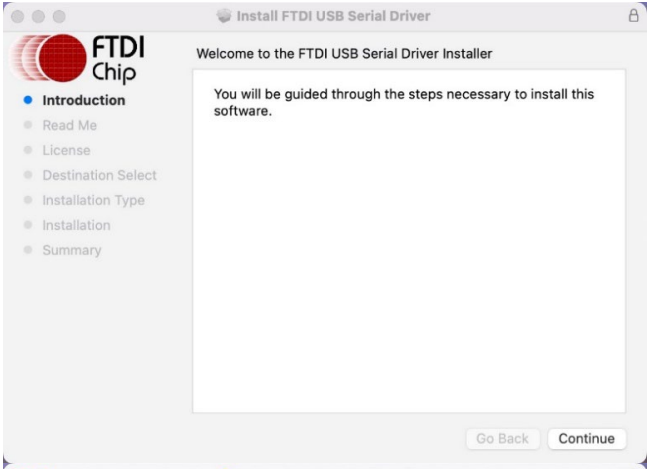
If you are unsure about the driver pls contact your vendor.

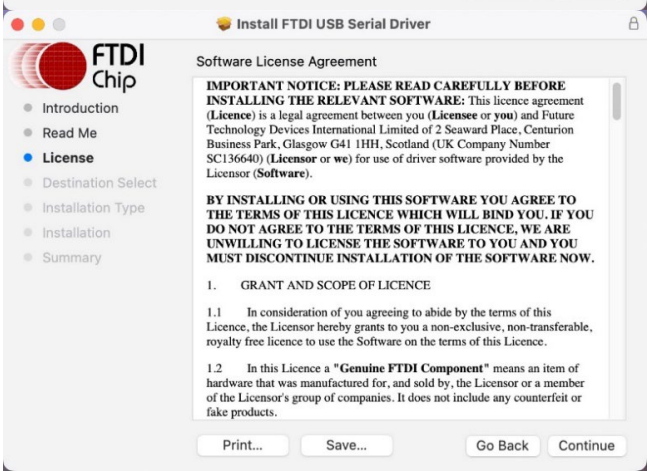
For Mac OS:

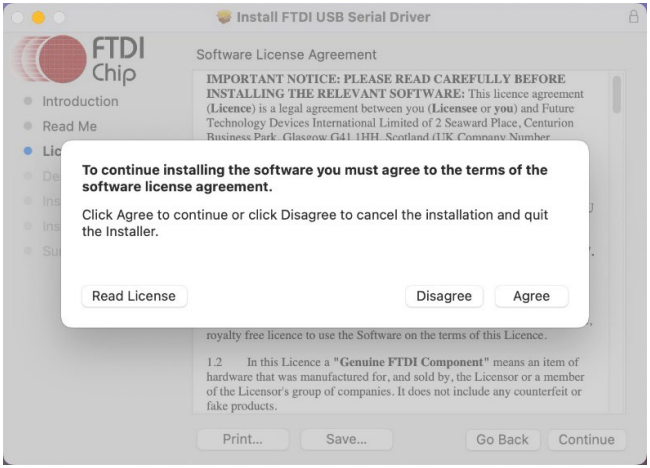
Installing USB Serial Driver

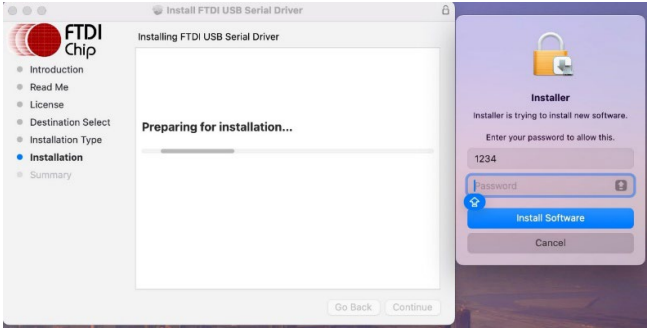
Here below are the steps.

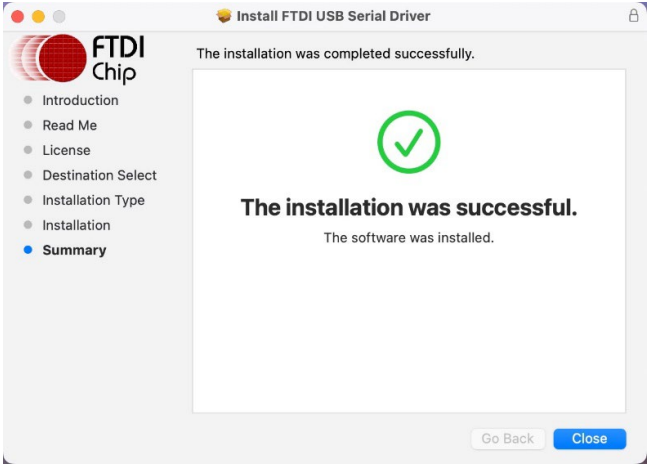



Install FTDI USB Serial Driver
FTDI Chip
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
Welcome to the FTDI USB Serial Driver Installer
You will be guided through the steps necessary to install this software.
Go Back
Continue


Install FTDI USB Serial Driver
FTDI Chip
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
Software License Agreement
IMPORTANT NOTICE: PLEASE READ CAREFULLY BEFORE INSTALLING THE RELEVANT SOFTWARE: This licence agreement (Licence) is a legal agreement between you (Licensee or you) and Future Technology Devices International Limited of 2 Seaward Place, Centurion Business Park, Glasgow G41 1HH, Scotland (UK Company Number SC136640) (Licensor or we) for use of driver software provided by the Licensor (Software).
BY INSTALLING OR USING THIS SOFTWARE YOU AGREE TO THE TERMS OF THIS LICENCE WHICH WILL BIND YOU. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENCE, WE ARE UNWILLING TO LICENSE THE SOFTWARE TO YOU AND YOU MUST DISCONTINUE INSTALLATION OF THE SOFTWARE NOW.
1. GRANT AND SCOPE OF LICENCE
1.1 In consideration of you agreeing to abide by the terms of this Licence, the Licensor hereby grants to you a non-exclusive, non-transferable, royalty free licence to use the Software on the terms of this Licence.
1.2 In this Licence a "Genuine FTDI Component" means an item of hardware that was manufactured for, and sold by, the Licensor or a member of the Licensor's group of companies. It does not include any counterfeit or fake products.
Print...
Save...
Go Back
Continue


Install FTDI USB Serial Driver
FTDI Chip
Introduction
Read Me
Software License Agreement
IMPORTANT NOTICE: PLEASE READ CAREFULLY BEFORE INSTALLING THE RELEVANT SOFTWARE: This licence agreement (Licence) is a legal agreement between you (Licensee or you) and Future Technology Devices International Limited of 2 Seaward Place, Centurion
To continue installing the software you must agree to the terms of the software license agreement.
Click Agree to continue or click Disagree to cancel the installation and quit the Installer.
Read License
Disagree
Agree
royalty free licence to use the Software on the terms of this Licence.
1.2 In this Licence a "Genuine FTDI Component" means an item of hardware that was manufactured for, and sold by, the Licensor or a member of the Licensor's group of companies. It does not include any counterfeit or fake products.
Print...
Save...
Go Back
Continue


Install FTDI USB Serial Driver
FTDI Chip
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
Installing FTDI USB Serial Driver
Preparing for installation...
Go Back
Continue
Installer
Installer is trying to install new software.
Enter your password to allow this.
1234
Password
Install Software
Cancel



How do I open the Terminal window?
A Terminal window can be started by selecting
Go > Applications > Utilities > Terminal
The terminal window is equivalent to a DOS prompt in Windows.

Hereby Assmann Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by posting under the below manufacturer address.

info@assmann.com
ASSMANN Electronic GmbH
Auf dem Schüffel 3
58513 Lüdenscheid
Germany