

USB-SERIAL Interface for Smart Sensor and Room Controller Configuration



The USB-SERIAL can be used for the configuration of the Senticon Devices with the PC Device Configuration Tool software. The USB-SERIAL module is plugged in to the device's configuration ports and forms and virtual COM port on the Windows PC. The PC Device Configuration Tool software then uses this COM port to communicate to the device.

The USB-SERIAL module has built-in optical isolation. The module has USB-C connection port and it comes with 2m USB-C to USB-A cable for the connection with the PC.

Features

- 'USB-SERIAL' module for connection on the PC (creates serial port on the PC)
- Built-In USB-C connection
- 2m USB-A to USB-C lead supplied
- Optical isolation protects the PC's serial port

Product Part Number

Part Number	Description	Article Number (SKU)
USB-SERIAL	USB to Serial Interface, 2M USB cable.	9900 0 00 00 00 10

Installation of the USB-SERIAL Module

The 'USB -SERIAL' requires the CP210x driver USB-to-Serial driver to operate. In some cases the driver may already be installed on the PC, but typically the driver is required to be downloaded and installed on the PC.

The driver is available from the Silicon Labs from the below link:-

<https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers>

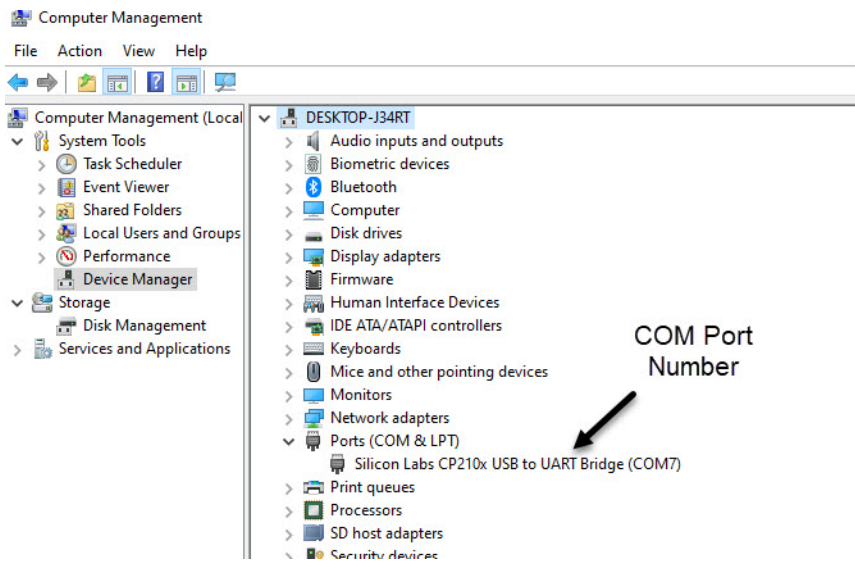
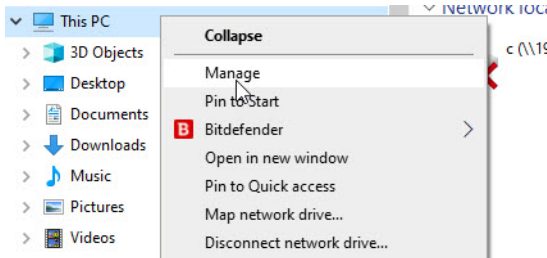
The process to install the driver is as follows:-

- Download the CP210x Universal Windows Driver from the above link
- Install the driver to the computer.
- Plug in the 'USB-SERIAL' to the PC
- The PC should now automatically create 'COM Port' for the module
- Find out the installed COM Port from the PC's Device Manager (see below instructions)
- Set the 'COM Port on the Device Configuration Tool to match the 'USB-SERIAL port' identified through the Computer's Device Manager

Finding Out the Com Port

To find out to which COM port the 'USB-SERIAL module' is connected go to the *Device Manager* and check *Ports (COM&LPT)* menu. If the 'USB-SERIAL module' driver has been correctly installed you should see it's COM port number.

TIP: If multiple COM ports are displayed, just unplug the 'USB-SERIAL module' and plug it in again to see which COM port number is related to it.



Manually Installing the 'USB-SERIAL Driver'

Sometimes Windows does not automatically install the CP210x serial COM port driver. In this case the 'USB-SERIAL module' CP210x driver can be manually installed from the Computer's Device Manager.

To manually install the CP210x Driver for the 'USB-SERIAL module', use the following steps:-

- Go to the Computer's Device Manager (as described in the previous chapter)
- Find the error in the device installation. Typically it is indicated by 'Yellow Question Mark, on the Device Manager. You can identify it often better by unplugging and plugging the 'USB-SERIAL module' to the PC
- Unzip the CP210x devices drivers to your hard drive
- Right-click the item marked with 'Yellow Question Mark' on the Device manager tree, and select 'Advanced' and 'Install Driver'. When asked point the windows dialogue to the hard drive folder where the CP201x Device Driver software was unzipped to. Now the driver should be installed creating the COM Port on the Device Manager. Repeat if necessary.

Selecting COM Port on the Device Configuration Tool'

Once the 'USB-SERIAL module' driver software and COM port has been correctly installed and identified, open the Device Configuration Tool software and select the identified COM port on the bottom right from the drop-down menu.

Press the Connect button on the Device Configuration tool to communicate to the device.

