



## Notice regarding the transition from CFA635 HW 1.1 USB to CFA635 HW 1.4 USB

The purpose of this document is to assist customers who have previously purchased the CFA635 HW 1.1 USB modules to quickly adapt to the current production CFA635 HW 1.4 USB modules.

While most major components of the new device are either similar or functionally identical, the largest noticeable change to this part is a migration to a more powerful microprocessor and the elimination of the FTDI USB to Serial converter.

- CFA635 HW 1.1 provided USB using a small microcontroller in conjunction with a FTDI FT232R USB to serial conversion chip.
- CFA635 HW 1.4 uses a more modern, advanced, and available STM32 microcontroller which has USB functionality built-in.

### Windows Hosts:

- The CFA635 HW 1.1 hardware used a driver that was provided by FTDI, signed by CrystalFontz, and is available via Windows update through the Windows driver cache.
- The CFA635 HW 1.4 uses a semi-custom driver provided by Windows and signed by CrystalFontz.

### Linux Based Hosts:

The drivers for both the CFA635 HW 1.1 and CFA635 HW 1.4 are included in the Linux kernel.

- The CFA635 HW 1.1 appears at /dev/ttyUSBx
- The CFA635 HW 1.4 appears at /dev/ttyACMx or /dev/cuaUx depending on your variant of the OS.

For Linux based hosts, a link can be created for systems that refer to the CFA635 by its name:

1. Create a file called "80-crystalfontz-ttyusb.rules" in the "/etc/udev/rules.d" directory.
2. Edit it, and add the single line:  
ACTION=="add", SUBSYSTEM=="tty", ATTRS{idVendor}=="223b",  
SYMLINK+="ttyUSB%n"
3. Restart the udev service for the link to appear.

Please contact CrystalFontz support if you have any difficulties or questions

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