



Keywords: Windows Driver, Evaluation Kit, Temperature Sensors, Amplifiers

#### APPLICATION NOTE 6415

# HOW TO INSTALL THE USB DRIVER FOR EVALUATION KITS/SYSTEMS THAT USE THE FTDI UART-TO-USB CONVERTER CHIP (WINDOWS VISTA, WINDOWS 7, AND WINDOWS 10 SUPPORT)

*Abstract: This is a quick-start guide for EV kits and EV systems that use the FTDI FT232BL (or FT232BM) UART-to-USB converter chip (32-pin TQFP) implemented with Maxim VID = 0x0B6A PID = 0x434D for the purpose of the USB PC connection. This USB driver allows the EV kit software to support Windows Vista, Windows 7, and Windows 10.*

## Overview

This document provides a quick guide for EV kits and EV systems that use the FTDI FT232BL (or FT232BM) UART-to-USB converter chip (32-pin TQFP) implemented with Maxim VID = 0x0B6A PID = 0x434D for the purpose of the USB PC connection. This USB driver allows the EV kit software to support Windows Vista<sup>®</sup>, Windows<sup>®</sup> 7, and Windows 10.

Follow these steps to start evaluating the EV kit now. The MAX6581 Evaluation Kit ([MAX6581EVKIT](#)) is used in the example figures.

1. Plug in the USB cable into a EV kit board and allow Windows to update the driver.
2. Make sure the **Device Manager** displays the information under Ports and **Universal Serial Bus controllers** as shown in **Figure 1**.

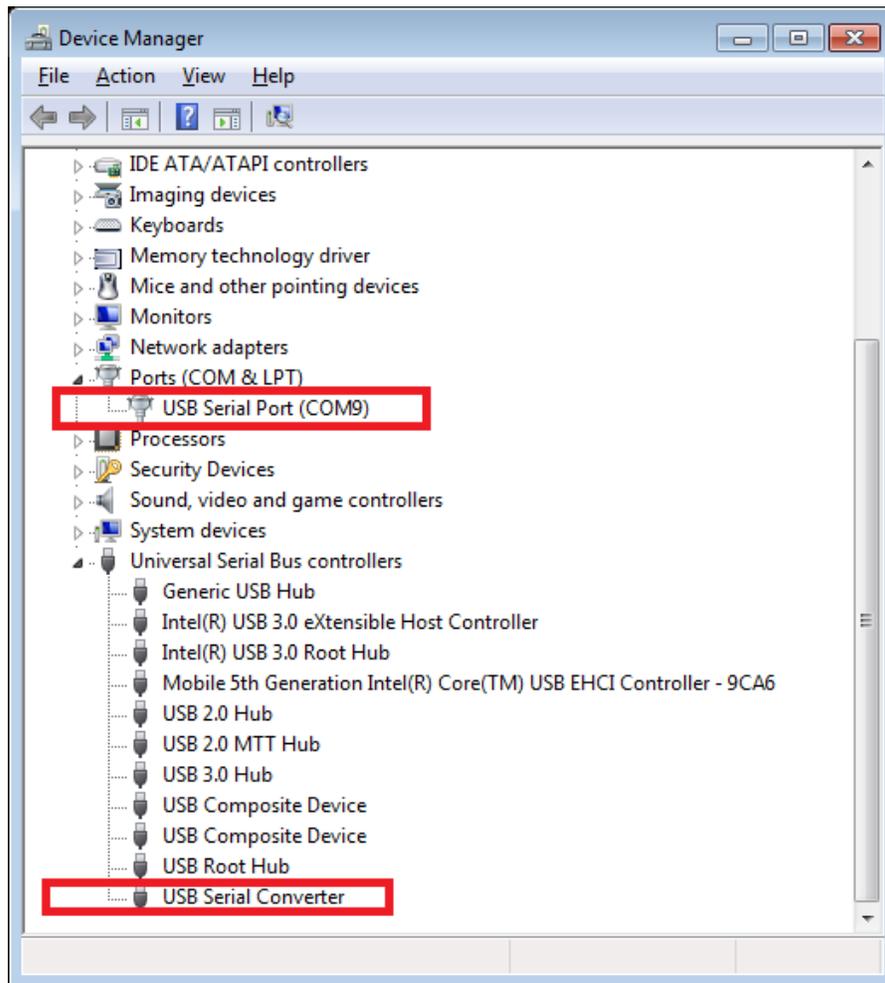


Figure 1. Device Manager window.

3. In this example, the MAX6581 Evaluation Kit software is open. Notice the status bar at the bottom displays **MAX6581EVKIT not connected**. This is an indication that the driver needs to be updated.

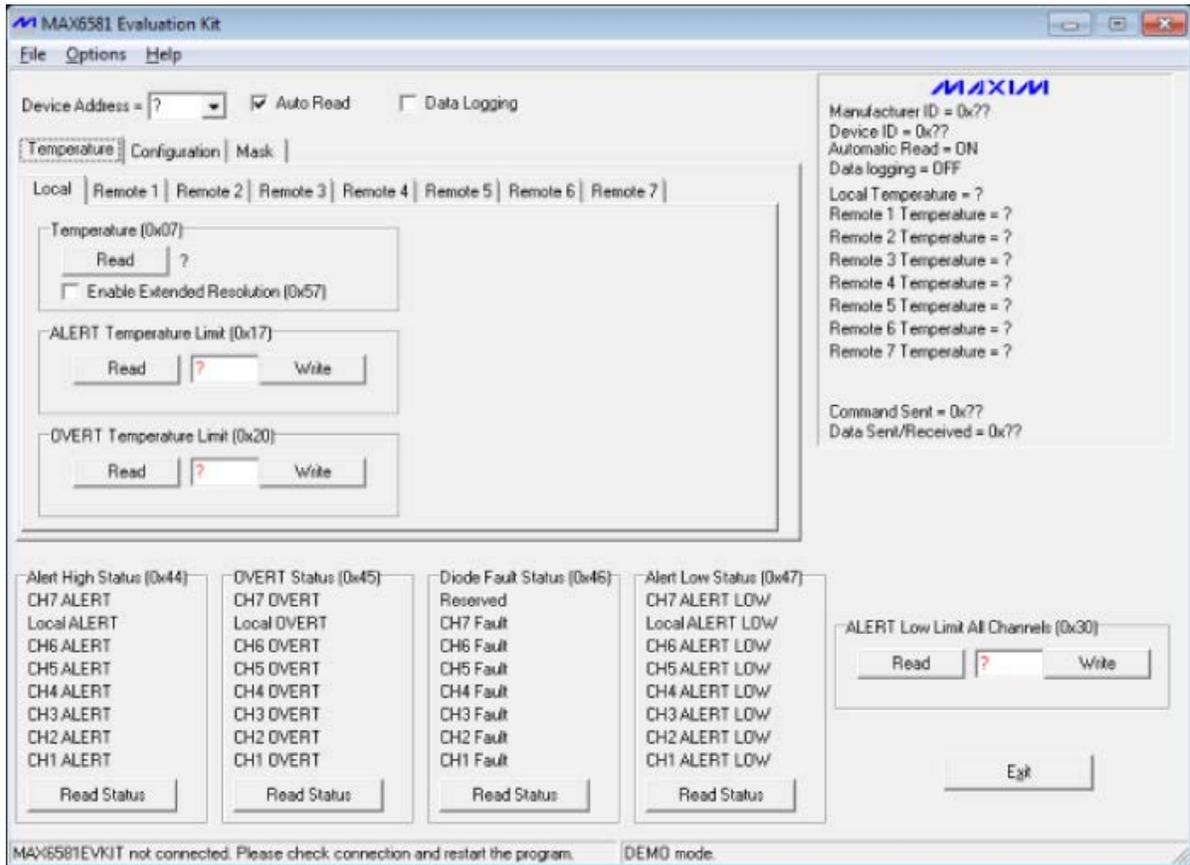


Figure 2. MAX6581EVKIT is not connected.

4. Download the file `FTDI_VID_PID_x86_x64_CDM_2.0.6.00.zip` Maxim's EV Kit Software webpage at: [www.maximintegrated.com/evkitsoftware](http://www.maximintegrated.com/evkitsoftware).
5. Unzip the file `FTDI_VID_PID_x86_x64_CDM_2.0.6.00.zip`.
6. Within the directory `FTDI_VID_FTDI_PID_x86_x64_CDM_2.06.00\usb_driver`, double-click `CDM20600.exe`.
7. Click the Run button. See Figure 3 and Figure 4.

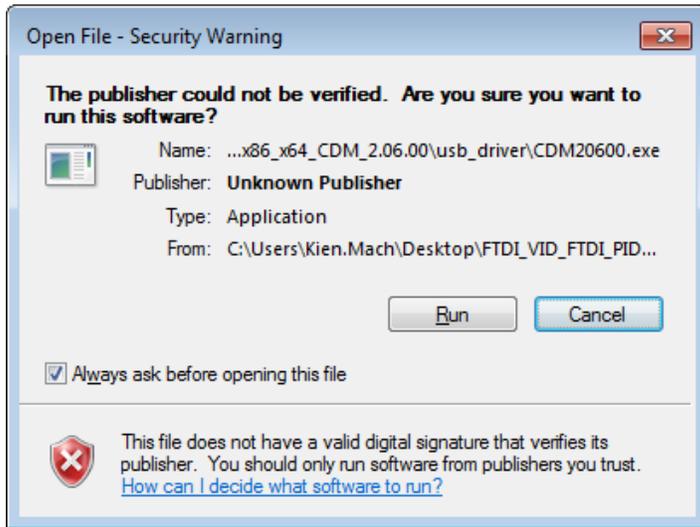


Figure 3. Pop-up menu to install driver.

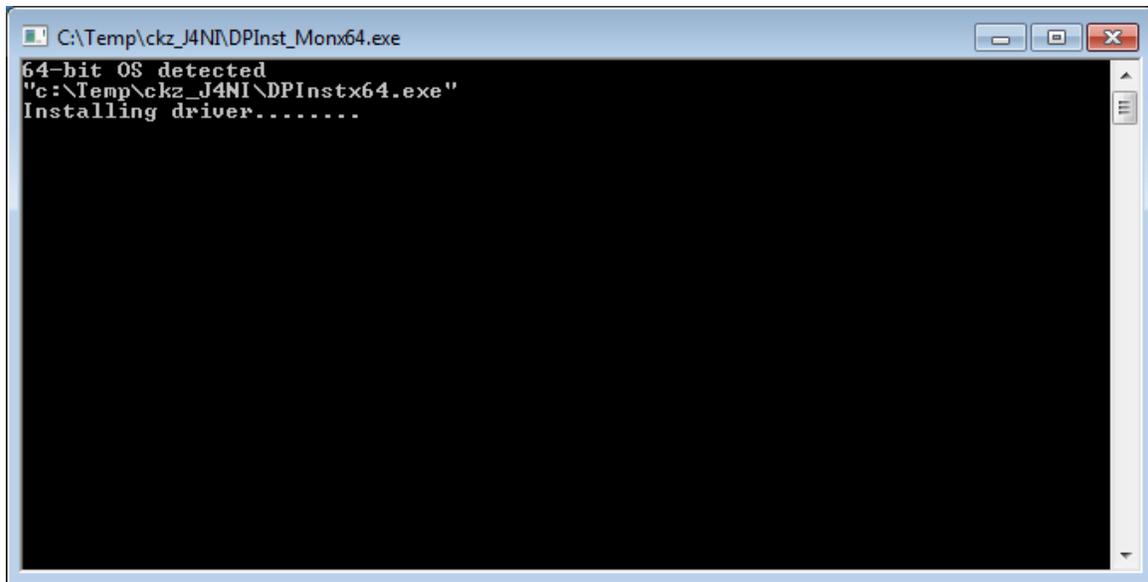


Figure 4. Installing the driver.

8. Open the MAX6581 Evaluation Kit GUI. The board should be connected as shown in **Figure 5**.

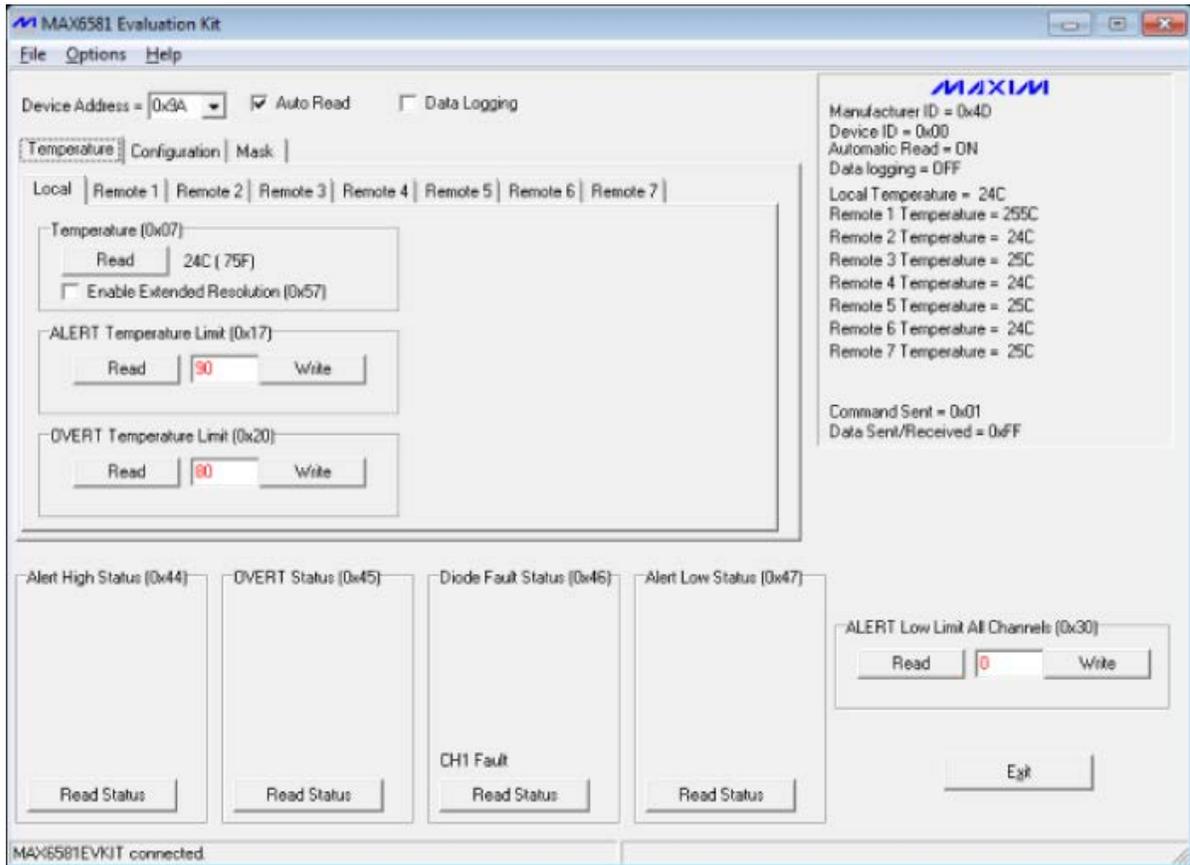


Figure 5. MAX6581EVKIT is connected.

If you get this far, you are ready to evaluate the part. If you continue to have problems connecting, refer to the document in the same driver directory named **USB\_Driver\_Help\_200.pdf**.

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Related Parts		
<a href="#">MAX6581</a>	$\pm 1^{\circ}\text{C}$ Accurate 8-Channel Temperature Sensor	<a href="#">Free Samples</a>
<a href="#">MAX6639</a>	2-Channel Temperature Monitor with Dual, Automatic, PWM Fan-Speed Controller	<a href="#">Free Samples</a>
<a href="#">MAX7500</a>	Digital Temperature Sensors and Thermal Watchdog with Bus Lockup Protection	<a href="#">Free Samples</a>
<a href="#">MAX9611</a>	High-Side, Current-Sense Amplifiers with 12-Bit ADC and Op Amp/Comparator	<a href="#">Free Samples</a>

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