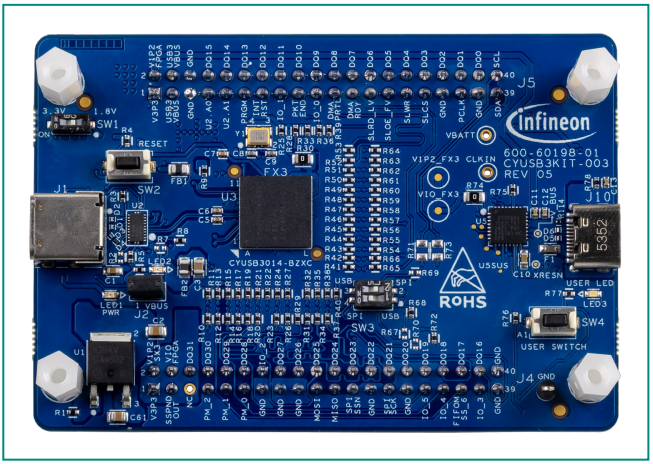
QUICK START GUIDE

EZ-USB™ FX3 Development Kit

CYUSB3KIT-003

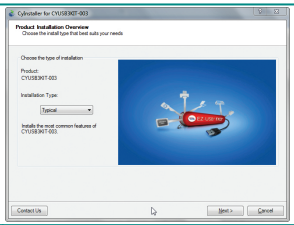
Kit contents

1. CYUSB3KIT-003 board
2. USB 3.0 Type-C cable





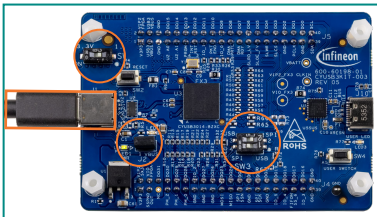
www.infineon.com/FX3



1 Software installation

Step 1: Software installation

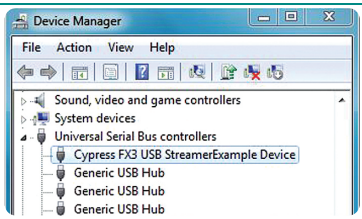
1. Download and install the latest Kit setup SuperSpeedExplorerKitSetup.exe from https://www.infineon.com/evaluation-board/CYUSB3KIT-003.



2 Hardware connection

Step 2: Hardware connection

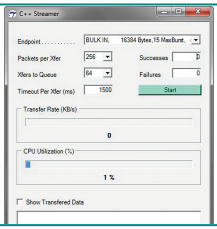
1. Ensure that the jumper (J2) is closed and that SW1 and SW3 are in the marked position.
2. Connect the board to the computer using the USB 3.0 cable provided.
3. The power LED (LED1_PWR) glows green when the board is powered on.



3 Driver installation

Step 3: Driver installation

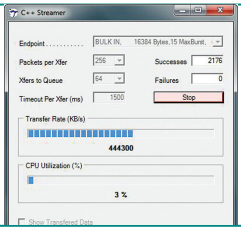
1. The drivers are installed automatically. After installation, the board enumerates as Cypress FX3 USB Streamer Example Device under **Universal Serial Bus Controllers** in Windows Device Manager.
2. If the driver is not bound automatically, follow the note given on the next page to manually bind the driver.



4 **Configure the Streamer application**

Step 4: Configure the Streamer application

1. To measure the USB data transfer rate, run Streamer.exe from C:\Program Files (x86)\Cypress\EZ-USB FX3 SDK\1.3\application\ cpp\streamer\x86\Release.
2. In the Streamer application, select the following parameters:
   - **Endpoint**: BULK IN
   - **Packets per Xfer**: 256
   - **Xfers to Queue**: 64
3. Click Start.



5 **Demonstrating the USB transfer rate**

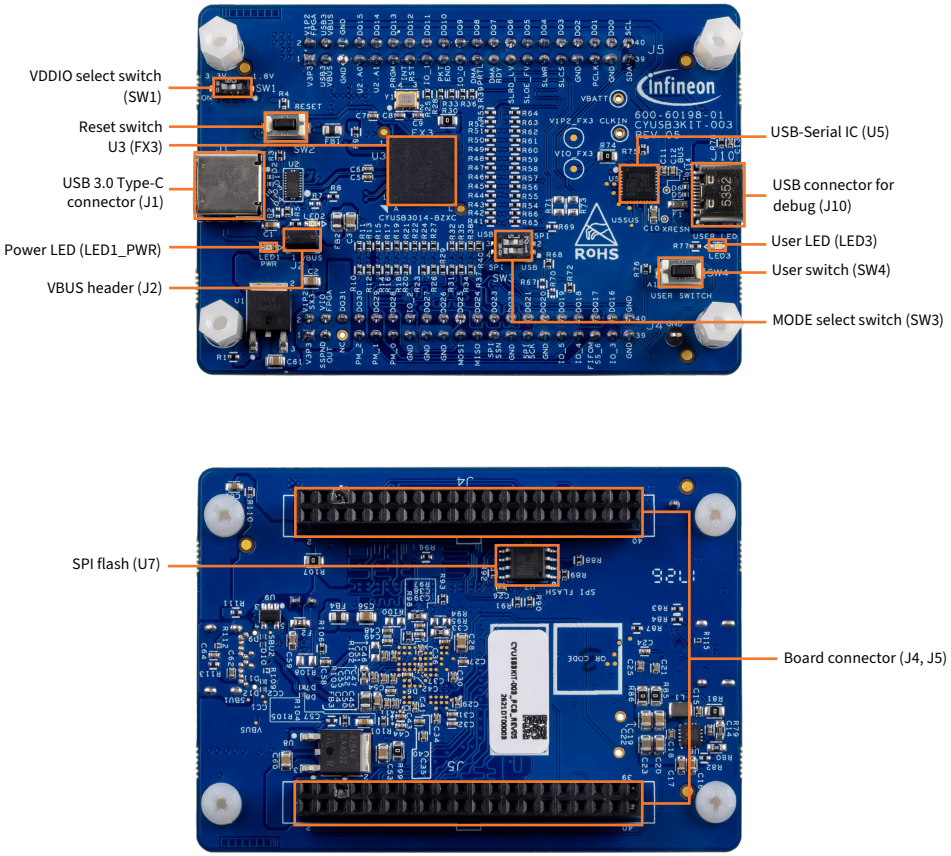
Step 5: Demonstrating the USB transfer rate

1. The Streamer application displays the USB transfer rate in KB/s as shown in the figure.
2. The transfer rate shown in the figure is when the board is connected to a USB 3.0-enabled computer. The transfer rate may vary depending on USB 3.0 host controller's capability. If a USB 2.0-enabled computer is used, data throughput will be limited to USB 2.0 speed.

Notes:

1. To manually bind the driver, in Windows Device Manager, locate the EZ-USB™ FX3 device under other devices. Right-click the device and select update driver software. Choose browse my computer for driver software.
2. Browse to the location <Install Directory>\Cypress\SuperSpeed Explorer Kit\1.0\Driver\bin. The default Install the directory is C:\Program Files for a 32-bit operating system (OS) and C:\Program Files (x86) for a 64-bit OS.
3. Select a driver based on the OS and click **Next**. For example, the driver for Win7 64-bit OS is located at C:\ProgramFiles (x86)\Cypress\SuperSpeed Explorer Kit\1.0\Driver\bin\Win7\x64.

CYUSB3KIT-003 Board details (top and bottom views)



See the kit guide available at www.infineon.com/FX3 for more details.

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