

Introduction

The 73S1217F Evaluation Board platform is a self-contained smart card reader development kit for the evaluation and development of stand-alone, serial or USB connected smart card solutions with an LCD, PINpad or other peripherals.

The board operates with either a PC or Linux® host system and can also be used as a development platform for the creation of customer specific applications.

System Requirements

- A PC running Microsoft® Windows® XP, or a workstation running Linux, with a USB port.
- 24 megabytes of disk storage for the application and documentation.

Package Contents

- A 73S1217F Evaluation Board (labeled 73S1217F/1210F EVALUATION BOARD w/73S1217F w/CCID FW).
- A USB cable, A-B, male/male, 2 meters.
- A 5V DC power adapter.
- A CD containing the associated drivers, applications and documentation.

Default Setup

The 73S1217F Evaluation Board ships with a default configuration suitable for use as a turnkey Transparent Smart Card Reader using a CCID over USB connection to communicate with a host PC application. The board's hardware and firmware are both pre-configured by Teridian to work in this state and the information in this document assumes this default configuration.

Refer to the *73S1217F Evaluation Board User Guide* for details on alternate hardware configurations and uses.

Demonstration Host Application

Included on the CD is a demonstration application named CCID-USB.exe which is located in the "x:\yyy\12xxF Vz.zz\CCID USB Host App C#\App\Bin" directory (where x refers to the drive, yyy refers to the directory the installation .zip file was expanded to and z.zz is the latest version of the firmware release). This is a host application that allows:

- Smart card activation and deactivation, in ISO or EMV mode.
- Smart card APDU commands to be exchanged with the smart card inserted in the board.
- Starting a test sequence in order to test and evaluate the board performance against an EMV test environment.



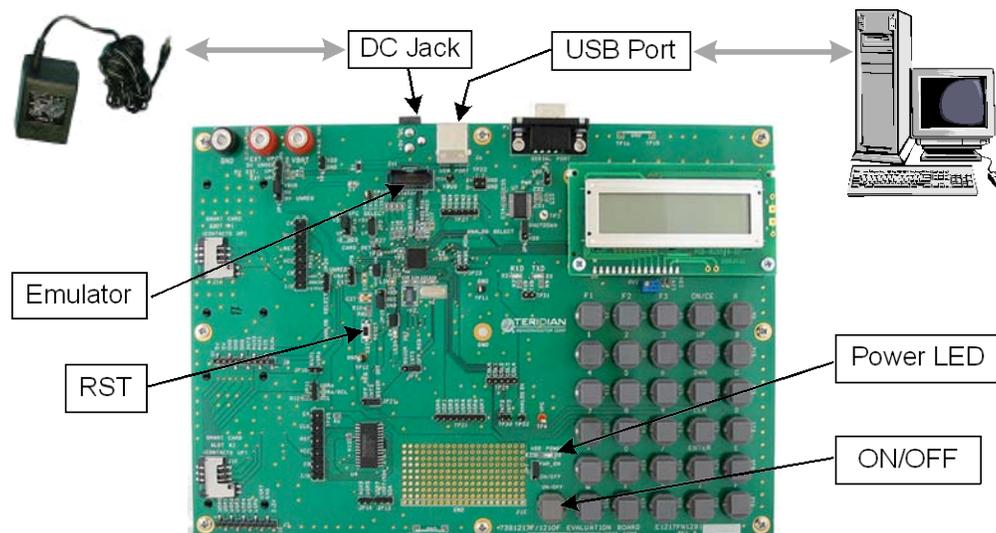
THIS DEVELOPMENT SYSTEM IS ESD SENSITIVE! ESD PRECAUTIONS SHOULD BE TAKEN WHEN HANDLING THE BOARD!

Driver and Software Installation on a Windows XP System

Follow these steps to install the driver and application software on a PC running Windows XP:

- Open “TSC 12xx CD 12xx SCR USB-CCID V z,zz .msi” (where z,zz is the latest version of the firmware release).
 - The default install directory is “C:\TSC\12xxF V $y.yy$ ”.
- Connect the USB cable between the host system and the 73S1217F Evaluation Board. The power LED light should now come on.
- The host system should recognize the board and start the Add New Hardware Installation Wizard. When the wizard prompts, select the Teridian driver file.
 - To use the Teridian supplied driver, select the ccidts.inf file located in the “CCID USB XPDriver” subdirectory. The ccidts.inf and ccidts.sys files must be in the same directory on the host.
- Follow the prompts until the process is completed.
- To run the demonstration application:
 - Press the ON/OFF button once. The Power LED should now come on.
 - Run CCID-USB.exe on the host system.

At this point the application window should appear. For additional information regarding the use of the Teridian Host application, refer to the *73S12xxF USB-CCID Host GUI Users Guide (UG_12xxF_037)*.



Driver and Software Installation on a Linux System

Teridian has tested the 73S1217F Evaluation Board with the Linux CCID driver v1.3.2 and PCSC-Lite v.1.4.4 (middleware) on Linux. Refer to the *73S1215F, 73S1217F CCID USB Linux Driver Installation Guide (UG_12xxF_041)* for details on installation and usage.

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