



User Guide Standards

CONCERTO_ Driving Board



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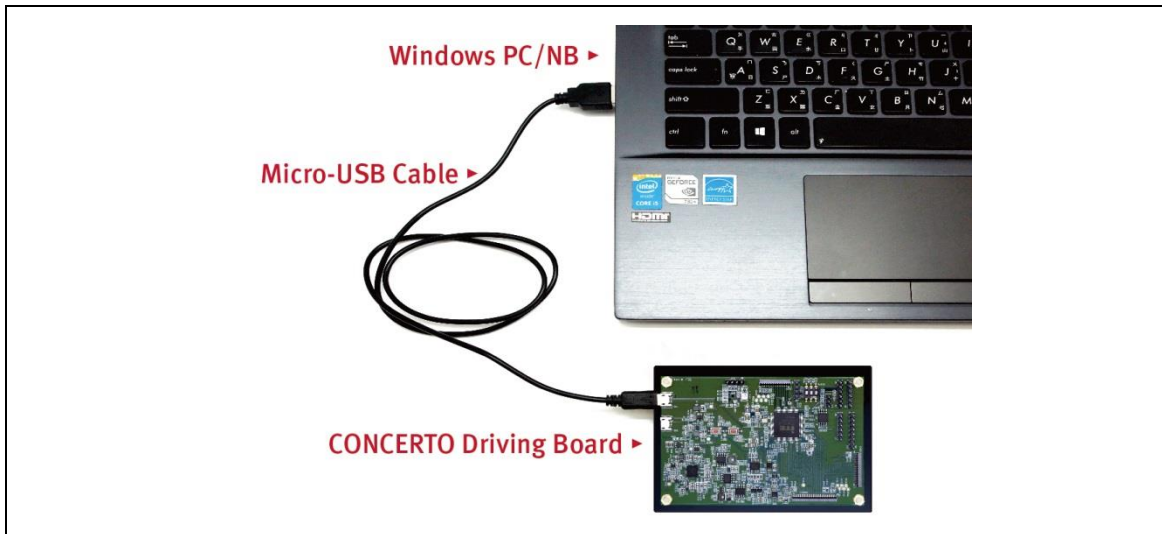
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Firmware Update SOP

1 Hardware Guide

(1) Hardware Requirements

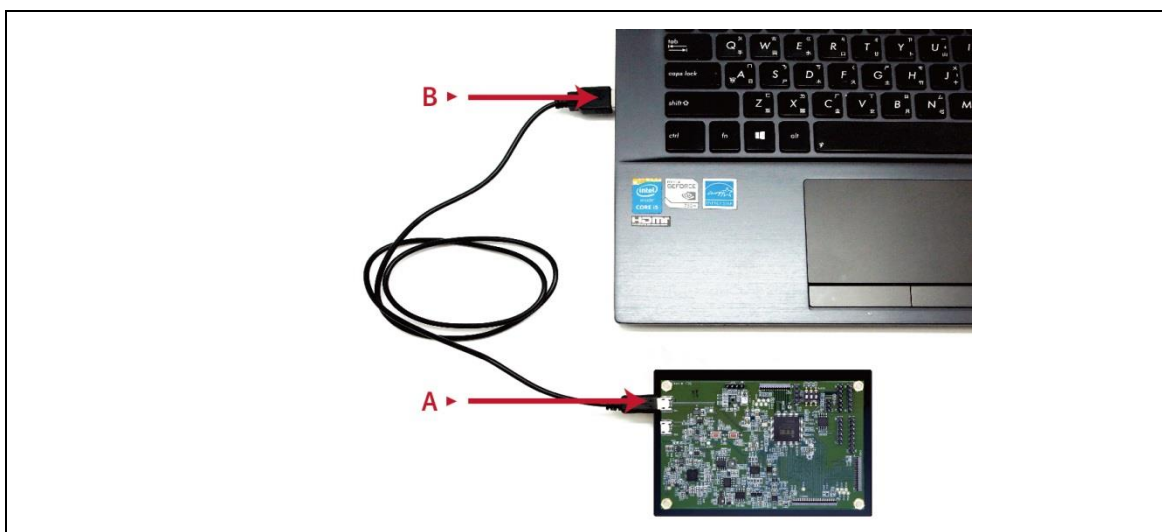
The firmware update requirements included the CONCERTO driving board, micro-USB cable and Windows PC/NB.



(2) Hardware Installation

Refer to following figure to setup CONCERTO driving board and connect it to your PC/NB:

- a Connect the micro-USB cable to CONCERTO driving board
- b Connect the micro-USB cable to PC/NB USB port



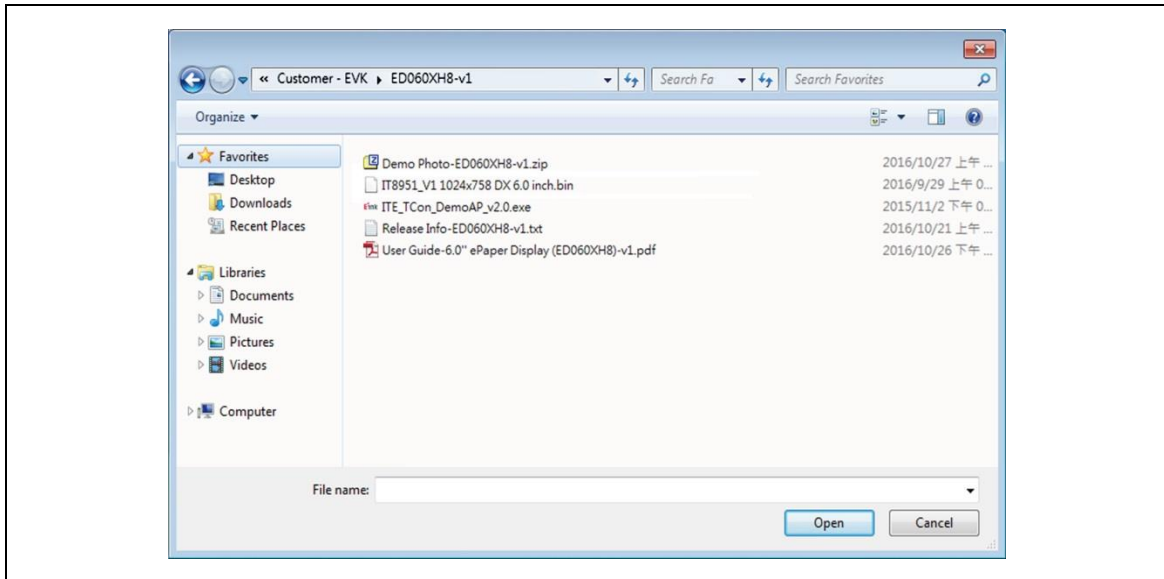
2 Software Guide

(1) Software Requirements


Application software ITE_TCon_DemoAP_v2.0.exe required.

Firmware required: Load the corresponding bin file of ePaper display.

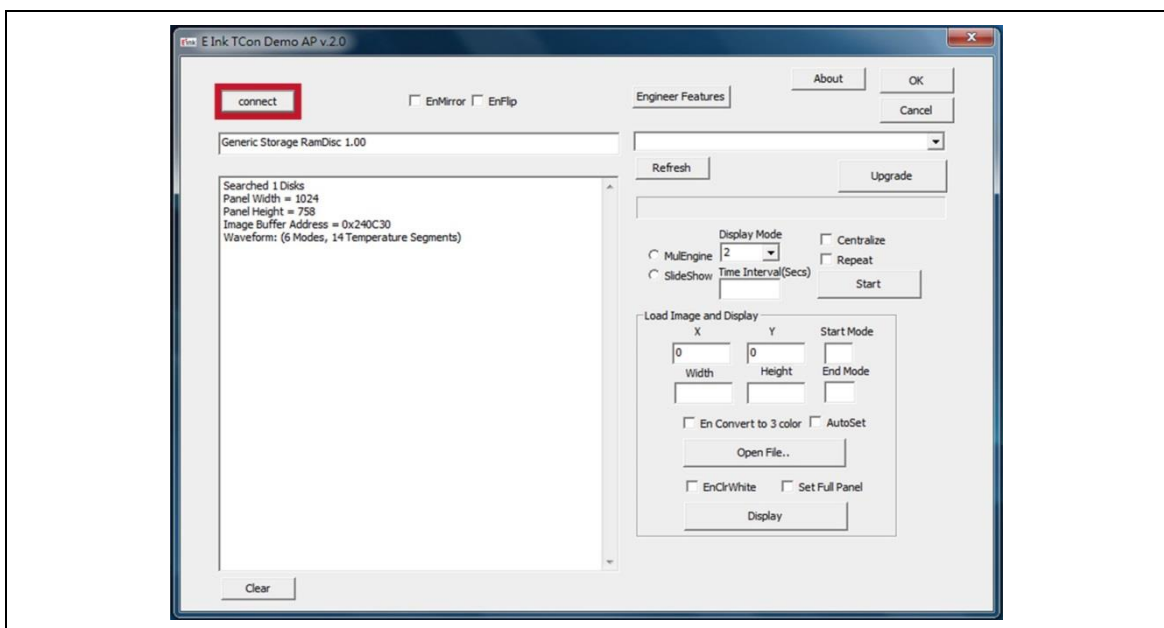
Put the firmware with application software in the same folder.



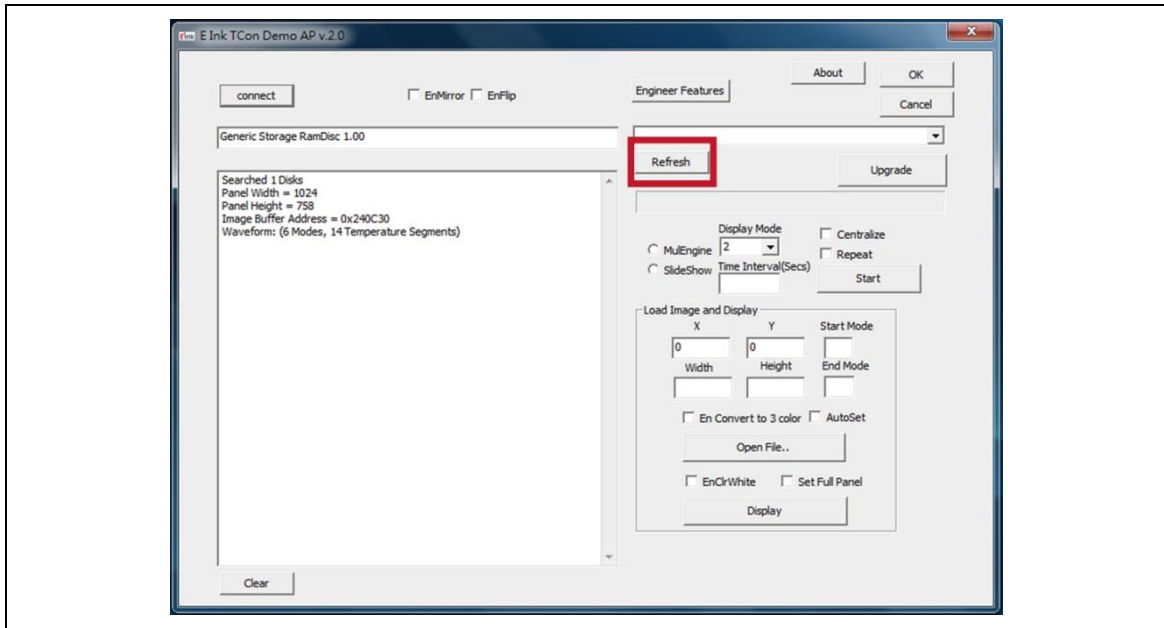
(2) Firmware Update by Application Software

● Press icon  ITE_TCon_DemoAP_v2.0.exe to open application software.

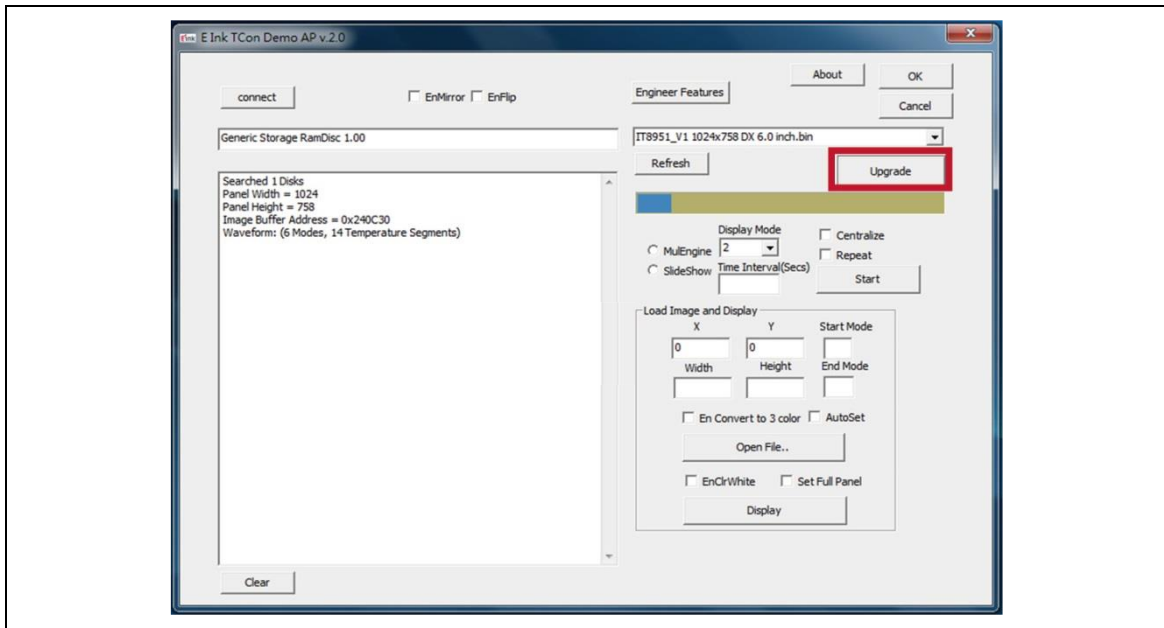
Click “connect” button to make sure the software has connected to physical drive.



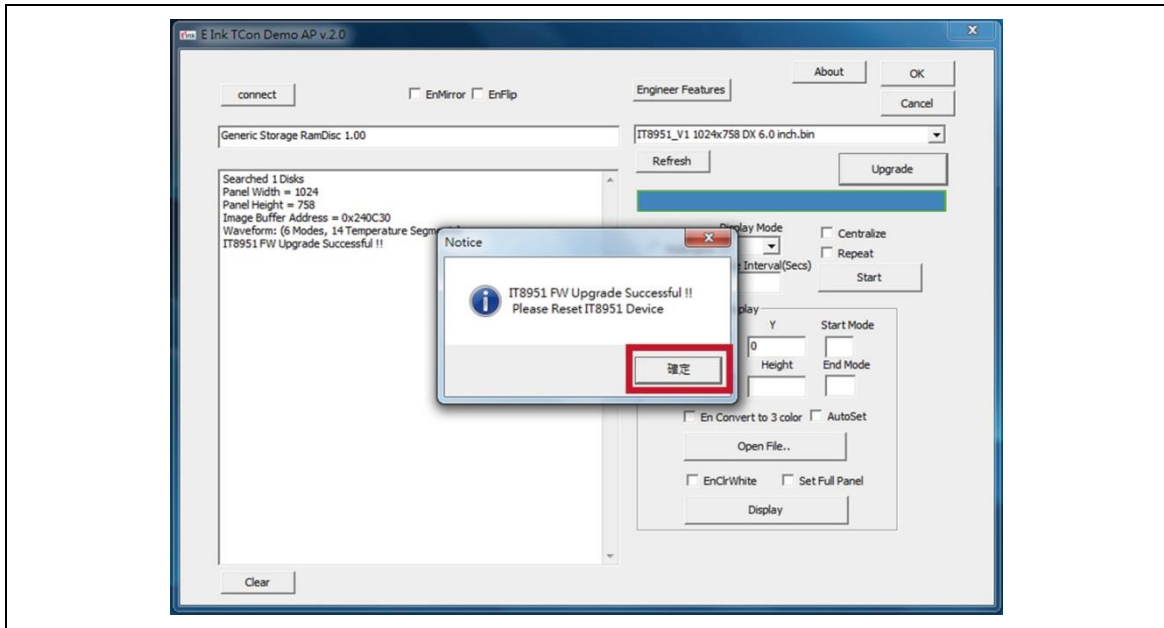
- Click “Refresh” and choose the firmware (bin file) option which you need to load:



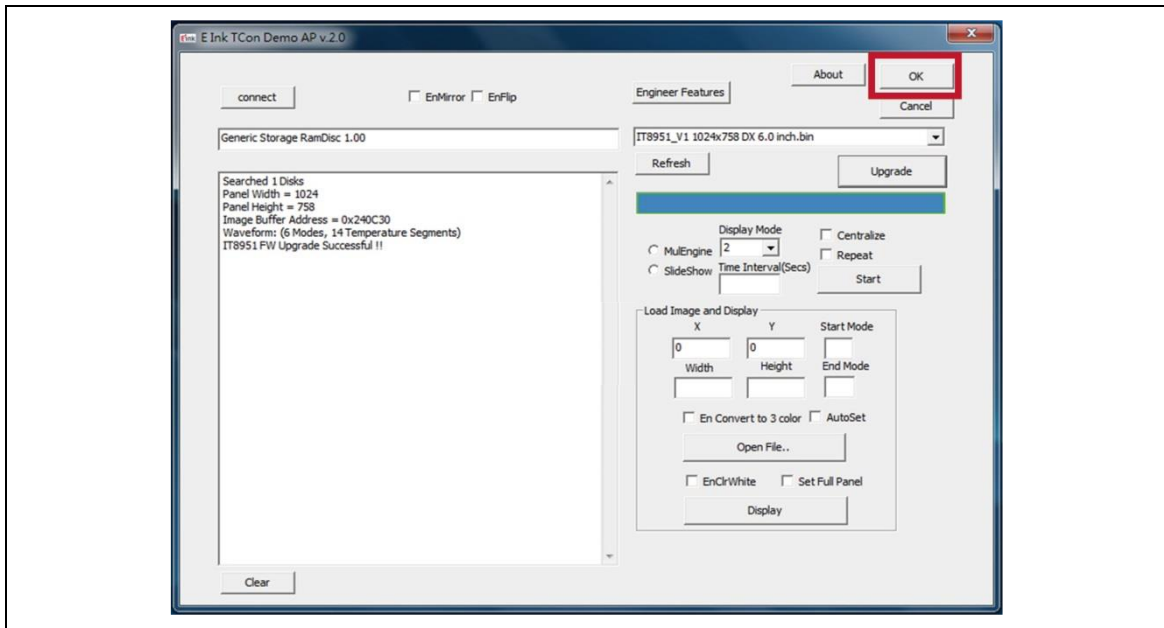
- Click “Upgrade” to load the firmware (bin file) to CONCERTO.



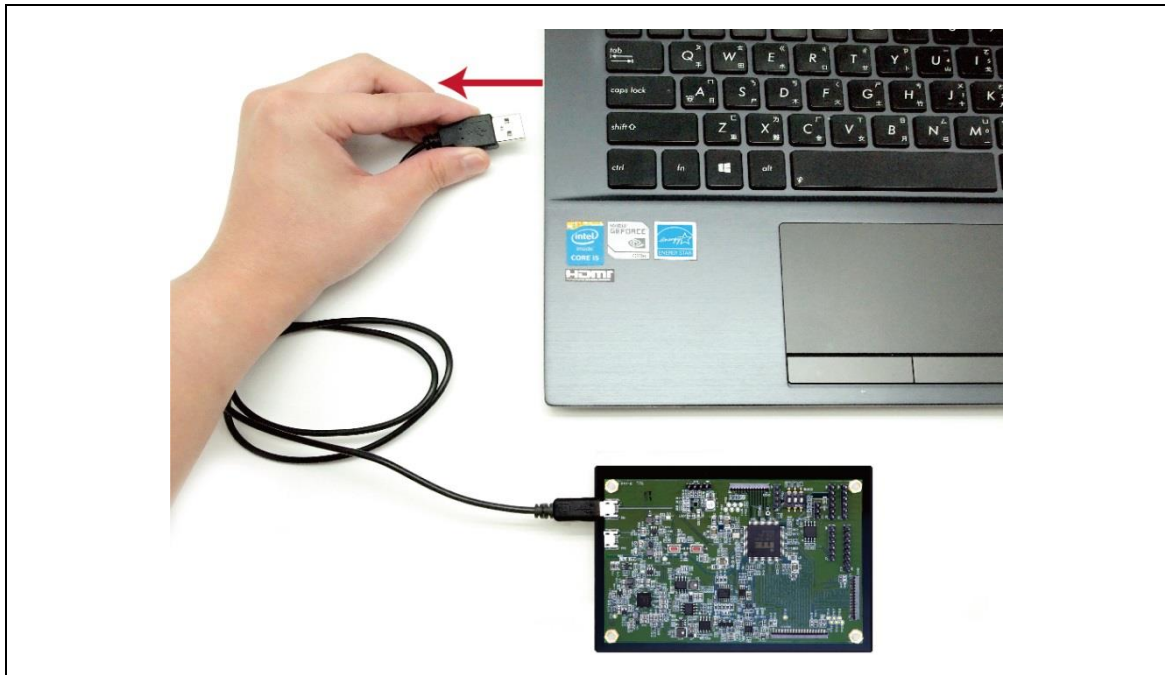
- Firmware (bin file) upgrade successful, click “OK” button.



- Click “OK” button to close the application software.



- Pull out the micro-USB cable, firmware update finished.



Hardware Guide

1 Hardware Requirements

E Ink's CONCERTO demo kit is intended to highlight the features and benefits of the ePaper display (EPD) display. This low power ePaper display uses E Ink technology which allows each pixel to show two color states – black and white. The CONCERTO demo kit is included the touch and front light function, which provides a multi-functional E Ink display reference design for customers. Users can easily demo the touch, front light and image update function on the touch screen of ePaper display.

Included in the CONCERTO demo kit is CONCERTO driving board, micro-USB cable, transfer boards, transfer cables and jumpers.

(1) Package Contents

This demo kit contains the following:

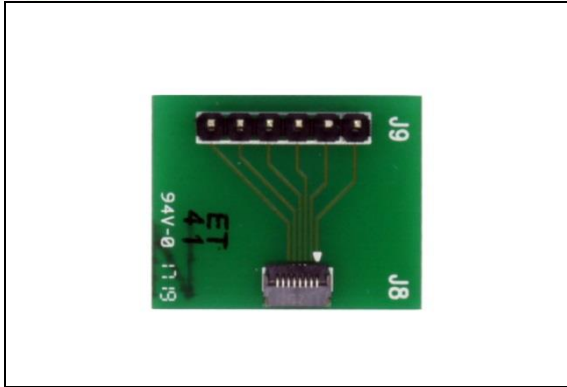
- CONCERTO Driving board
- Micro-USB cable
- Transfer board for touch
- Transfer board for front light
- 6 pins cable
- 4 pins cable
- Jumper (3 pcs)



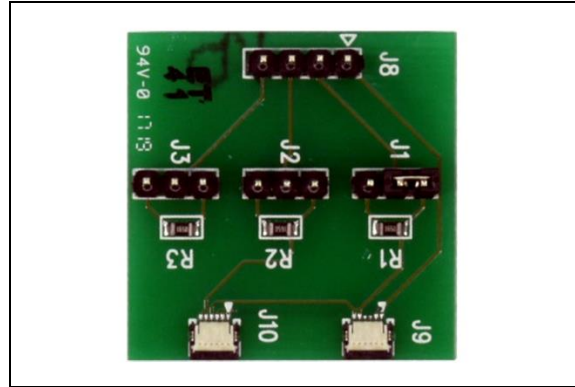
CONCERTO Driving board



Micro-USB cable



Transfer board for touch



Transfer board for front light



6 pins cable



4 pins cable



Jumper (3 pcs)

Specification

Item	Specification
TCON	IT8951 DX
TCON Solution	Hardware TCON
LED Driving IC	LM3532
LED Driving Solution	I2C I/F control
Input	5Vdc (USB), power on when connected to PC

2 Hardware Guide

(1) Hardware Requirements



CONCERTO Driving Board



Micro USB cable



Windows PC/NB

Table 1 Minimum PC Requirements

CPU	Pentium III 800 MHz or later
RAM	128MB or greater
Required Software	Windows 7 or newer
Interface	USB port

(2) Demo Kit Hardware Description

The CONCERTO demo kit includes a CONCERTO driving board. The CONCERTO driving board (connector 2 or connector 402) and E Ink ePaper display (EPD) panel are connected via a corresponding FPC adapter (ED060XH8 is not required). The demo kit is included the touch (connector J7) and front light (connector J13) function. The micro USB port on the demo kit supplies power and data to CONCERTO driving board and E Ink panel. Users can easily demo the touch, front light and image update function on the touch screen of ePaper display. Furthermore, using the E Ink PC application, users can send customized image data to the board or update settings.

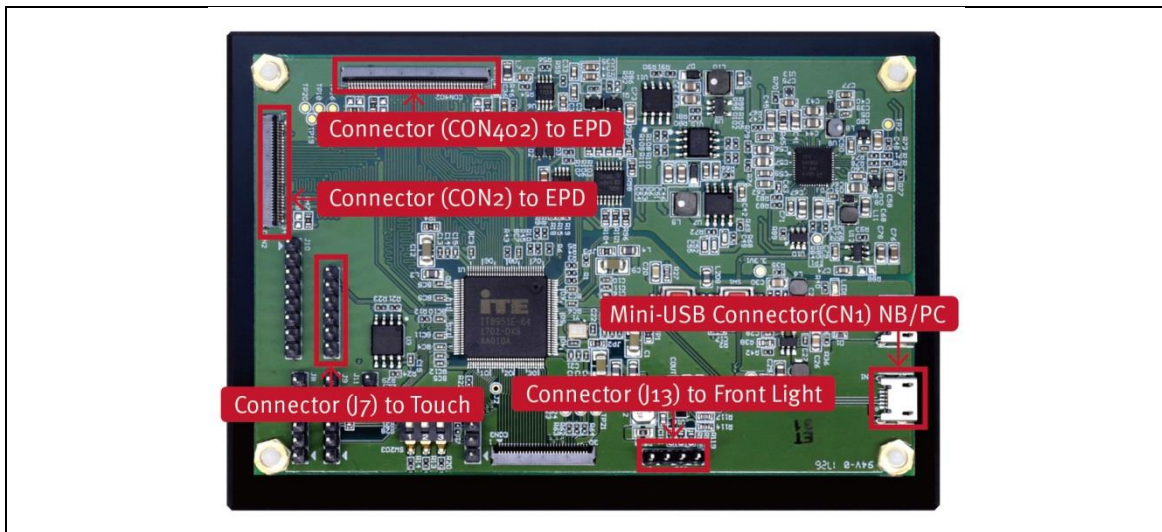
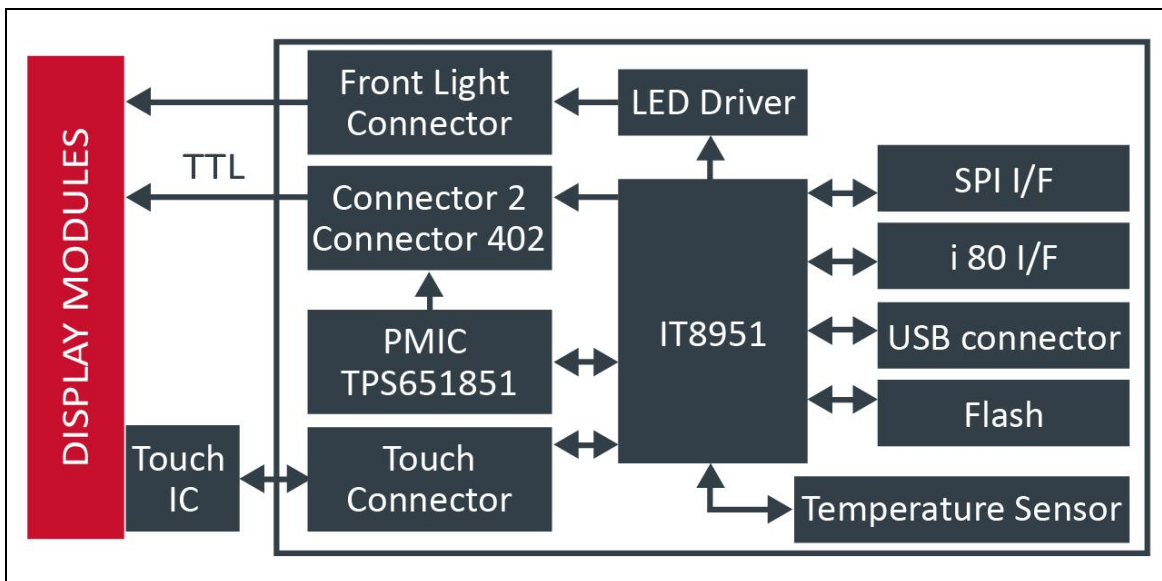


Figure 2 CONCERTO driving board function

3 Driving Board Function Block



4 Contact Information

For more information, please visit

<http://www.eink.com>

For sales office addresses, please visit

http://www.eink.com/contact_sales.html

5 Legal Information

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- Revision History

Version	Date	Page	Description	Author
0.1	2017/8/1		Initial	Joseph Wu