

Trigger Introduction

EG Android e-book reader evaluation kit, "*Trigger*", derived from EG e-book Reader turnkey solution "*OpenBook*", is to provide an accessible tool for the developers to quickly get a sketch of an Android E-book reader. It not only helps the developers to understand the functionalities, but also facilitates the developers to work out the product spec. and requirements. In such a way, the development period of an Android e-book reader can be significantly reduced in terms of the baseline of EG "*OpenBook*".

Trigger Product Features

1. Android 1.5 System for LCD Display (resident in SD card).
2. Android 1.5 System for EPD Display (resident in NAND) with EG Patch.
3. Standard Android 1.5 R3 SDK built-in (Linux Kernel 2.6.27).
4. Support English and Simplified Chinese.
5. Library/Bookshelf Management Utility.
6. Support Internet synchronization.
7. Embedded File Interpreters:
 - EG PDF Reader (compliant with Adobe PDF Reader 1.6).
 - EG e-Pub Reader (compliant with IDPF)
 - EG PowerPoint 2003 Reader.
 - EG TXT Reader.
8. Support Comic book (ZIP, JPG, PNG, BMP, GIF, and TIFF).
9. Support Audio book
 - Playlist: WPL, PLS, M3U.
 - Lyric: LRC.
 - ZIP and MP3.
10. Support On-Line Viewer (Word, Excel, etc.).
11. Rich reading functions:
 - Find
 - 5 font sizes
 - Highlight
 - Scrawling
 - Table of Contents
 - Annotation
 - Bookmark
 - Text-to-Speech (Optional)
12. On-Line Looking-Up
 - Dictionary
 - Wikipedia
 - Translation
13. **Virtual Postscript 3 Printer (via USB / Ethernet)**
 To transfer any file from PC to the e-book reader with a faster speed and a smaller size. Most important of all, there is almost no effort to develop and maintain the PC drivers.



Trigger supports multiple usage of display as follow:

- One EPD
- Dual EPD
- One LCD
- One LCD and one EPD

Trigger Main Board Configuration

1. ASIC: Samsung S3C6410 @ 667 MHz.
2. Support booting from any one of the following (by DIP Switch):
 - NOR Flash: 512KB.
 - NAND Flash: MLC 1.0GB.
 - SD Card: 2.0GB.
3. Mobile DDR: 256MB.
4. Display Interface:
 - LCD interface (7.0", 480 x 800)
 - E-Ink EPD by Host interface (16 grey levels, 6.0", 600x800)
 - E-Ink EPD by LCD Interface
 - AUO EPD by LCD interface.
5. LED Indicators.
6. One USB 2.0 Client with mini USB connector. (support USB charger, headset, storage, ADB, and Printer driver).
7. Two USB 2.0 Host with type-A connectors. (support USB storage and modem).
8. Bluetooth 2.0 +EDR (external antenna to support A2DP Profile).
9. One fast Ethernet RJ45 connector.
10. WLAN IEEE 802.11 b/g with an external antenna (WIFI).
11. One mini PCI-Express interface to support mobile modem modules.
12. One SIM SOCKET.
13. FM Radio receiver and transmitter (87.5 ~ 108.0 MHz).
14. Audio codec to support multiple audio channels.
 - Headset (3.5mm Plug)
 - Stereo loudspeaker
 - Microphone
 - FM radio
 - Modem audio in/out
 - USB headset
 - Bluetooth headset
15. Both capacitive touch screen and resistive touch screen interface.
16. One Five-way rotary jog.
17. Six buttons <Reset> <Home> <Back> <Menu> <Rotate> <System>
18. One digital 3-Axis accelerometer.
19. One micro SD socket.
20. One PMIC to support dynamic voltage management.
21. Battery Interface.

Trigger Deliverable Package

1. Samsung S3C6410 Main Board (one pcs).
2. Epson BroadSheet EPD Control Board (one pcs).
3. 6.0" E-Ink EPD Panel with Capacitive touch screen (one pcs).
4. 7.0" LCD with Resistive touch screen (one pcs).
5. Schematics of Main Board (PDF).
6. User Guide (PDF).
7. Android e-book reader Operational Binary Code. (non-duplicable & already burn-in).
8. Postscript 3 driver (Windows version).

Service

Price:

US\$10,000 per kit.

Lead Time:

4 weeks after receiving the payment.

Contact Information:

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