







ALLWINNER

BUILT-IN EPD PROCESSOR

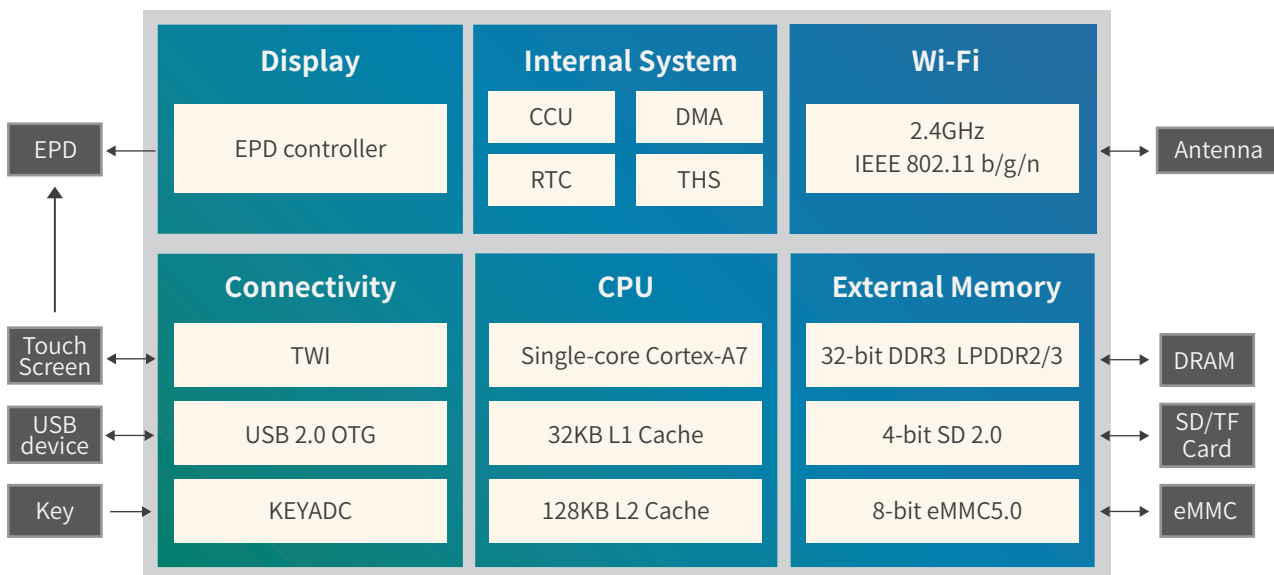
Overview

The Allwinner B188 e-book processor offers low-power consumption and is a streamlined solution for customers seeking ARM Cortex-A7 performance levels with flexible design features.

Highlights

-  Allwinners Integrated Wi-Fi, which can directly lower the overall system cost.
-  Up to 2332 × 1650 screen resolution with built-in Electronic Paper Display (EPD), independently designed by Allwinner.
-  Supports LPDDR 2/3, which can reduce power consumption.
-  Supports Linux 3.10 and Android 4.4 System.

Block Diagram



Features

CPU	<ul style="list-style-type: none">• Single-core ARM Cortex™ -A7 Processor
Memory	<ul style="list-style-type: none">• Supports DDR3 /DDR3L/LPDDR2/LPDDR3 SDRAM• eMMC 5.0, SD 2.0 compliant
Display	<ul style="list-style-type: none">• Supports 5-bit E-INK LCD• Supports E-INK engine up to 2332x1650@100 Hz
Wi-Fi	<ul style="list-style-type: none">• Supports 802.11 b/g/n protocol• Full security support: WPS, WPA, WPA2, WEP, TKIP
Integration	<ul style="list-style-type: none">• Supports USB 2.0 OTG, UART, TWI
Package	<ul style="list-style-type: none">• FBGA 335 balls, 13 x 13 mm, 0.65 pitch

ABOUT ALLWINNER

Allwinner Technology is a leading fabless design company dedicated to smart application processor SoCs and smart analog ICs. Its product line includes multi-core application processors for smart devices and smart power management ICs used by brands worldwide.

With its focus on cutting edge UHD video processing, high performance multi-core CPU/GPU integration, and ultra-low power consumption, Allwinner Technology is a mainstream solution provider for the global tablet, internet TV, smart home device, automotive in-dash device, smart power management, and mobile connected device markets. Allwinner Technology is headquartered in Zhuhai, China.

CONTACT US

For more product info, please contact service@allwinnertech.com, or scan the QR code to follow us on Wechat.

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