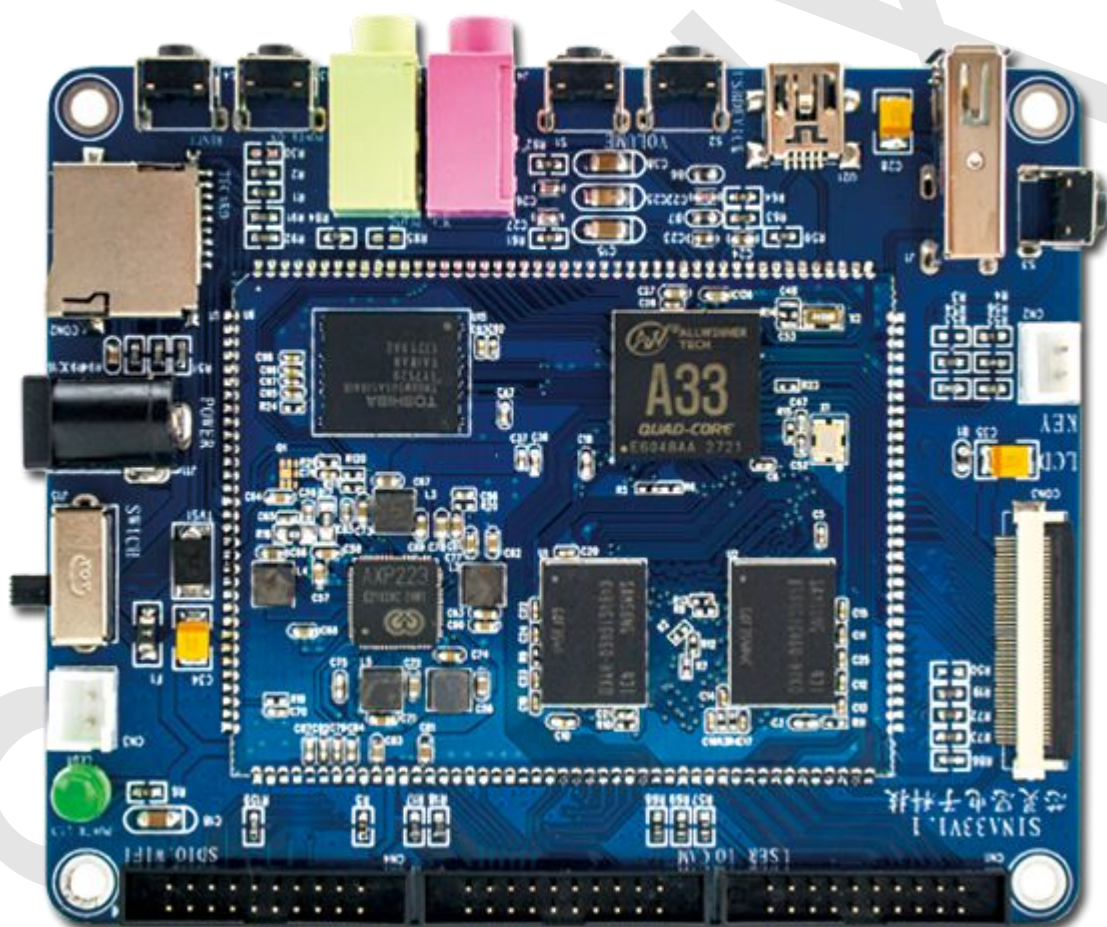


SINA33 DATASHEET

V1.0



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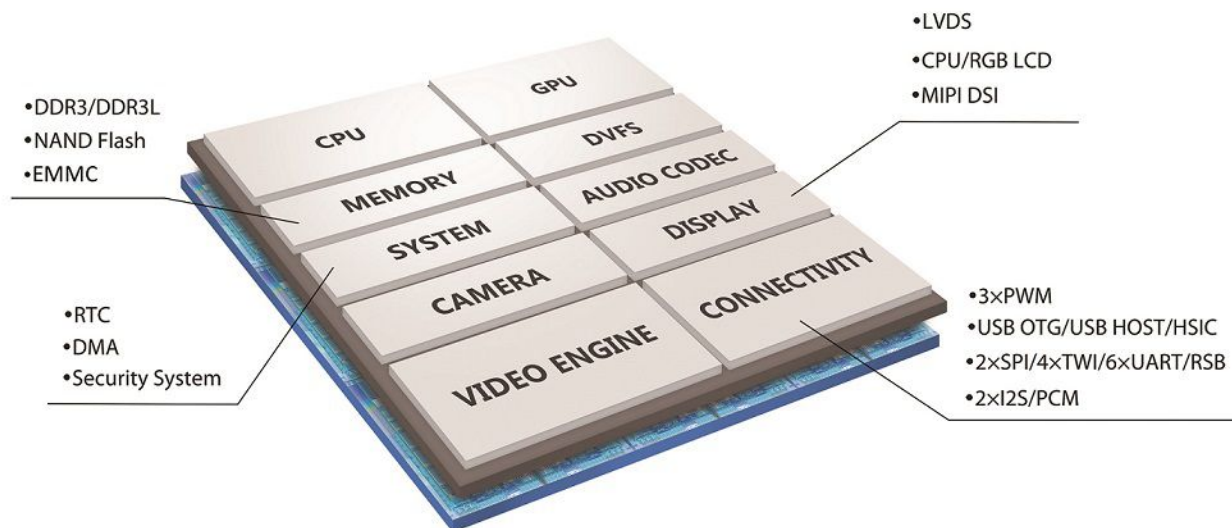
(一) About SINLINX



SINLINX Electronics Technology Co., LTD focus on the embedded technology research and development, provide embedded full range of technical services for the customer. The embedded open source hardware positioning products as the core, supporting the hardware module and abundant software routines corresponding, allows customers to easily construct their own hardware products. We benefit from the open source movement, also want more feedback organization.

My open source hardware provides advanced operating system, developed to allow customers to familiar with the CPU as soon as possible. From the build environment, to write the burning procedure, and various key module of the system description, provide the abundant development document. At the same time, also provides supporting module rich to the open-source hardware, used to extend the functionality of CPU, users can build a rapid prototype. The software also provides a rich routines such as: The operation that serial port\ GPIO\SPI\ I2C and other bus. And provides e-mail, forums and technical support services. You only need to pay attention to the application of their own, can develop their own perfect products.

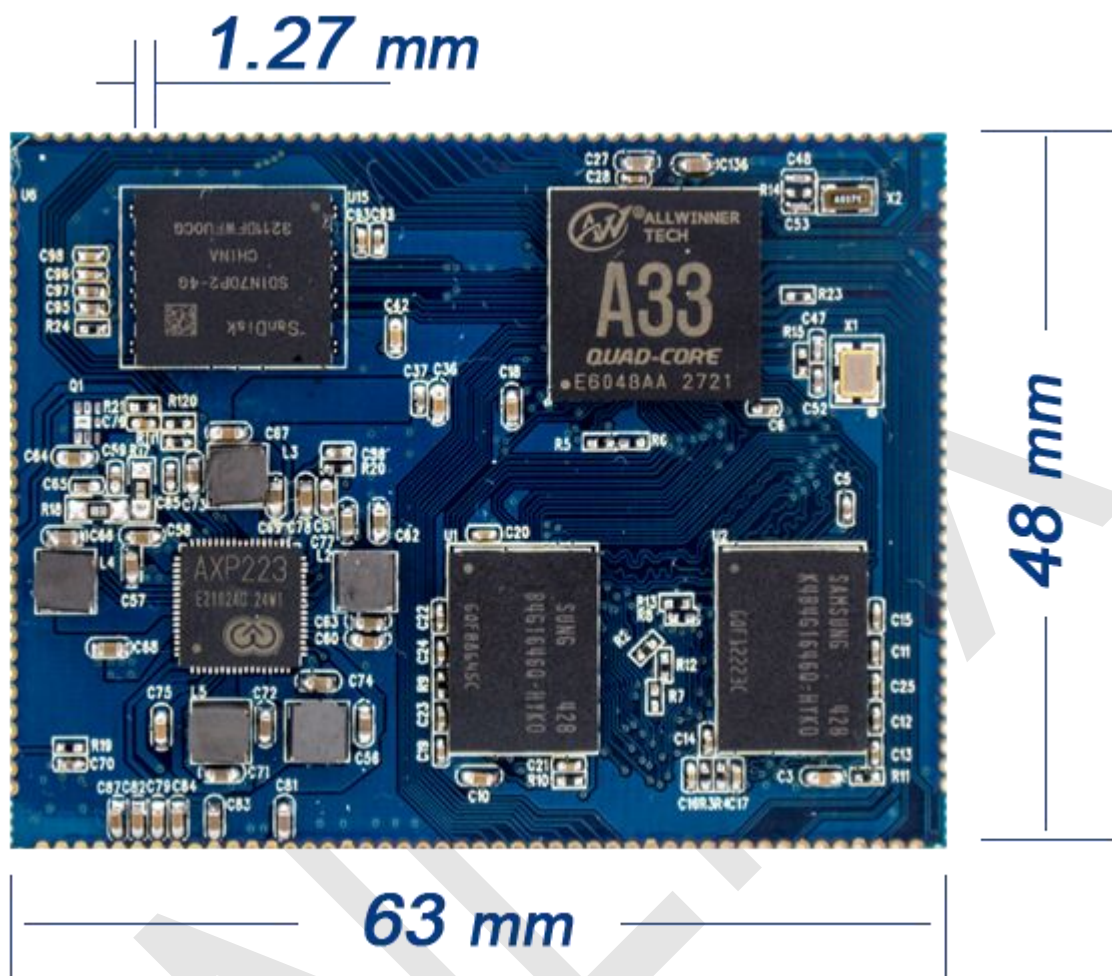
(二) A33 Specification



Part Name	Features
CPU	ARM Cortex™-A7 Quad-Core 256KB L1 Cache 512KB L2 Cache
GPU	Mali400MP2

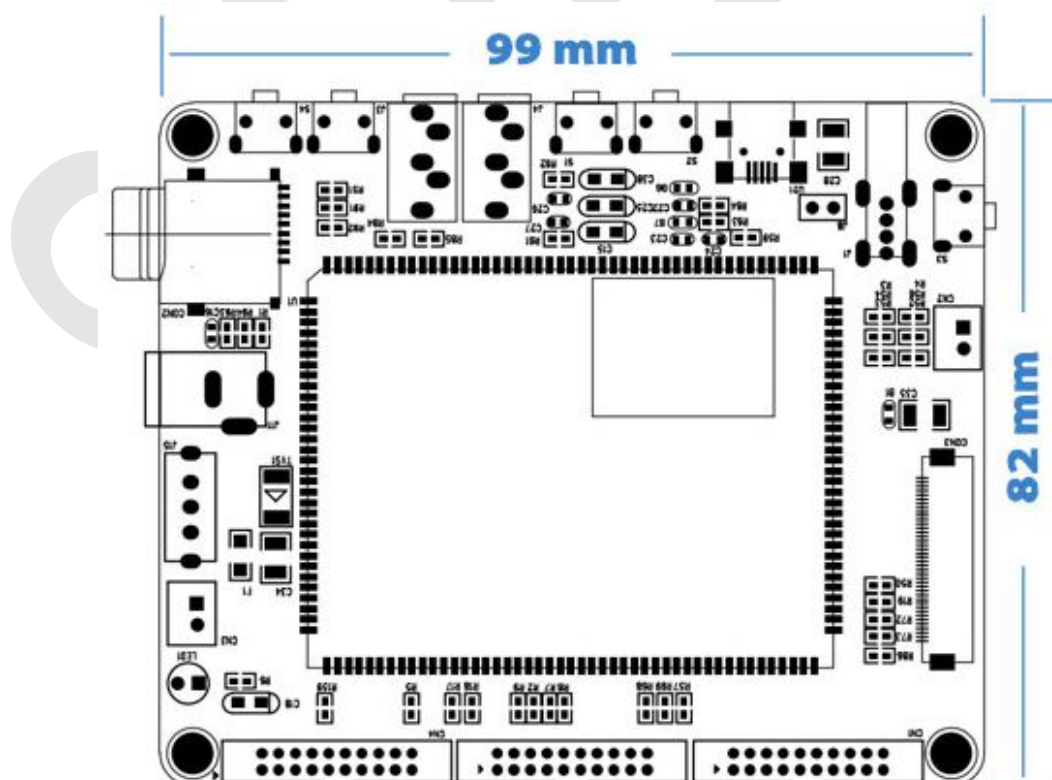
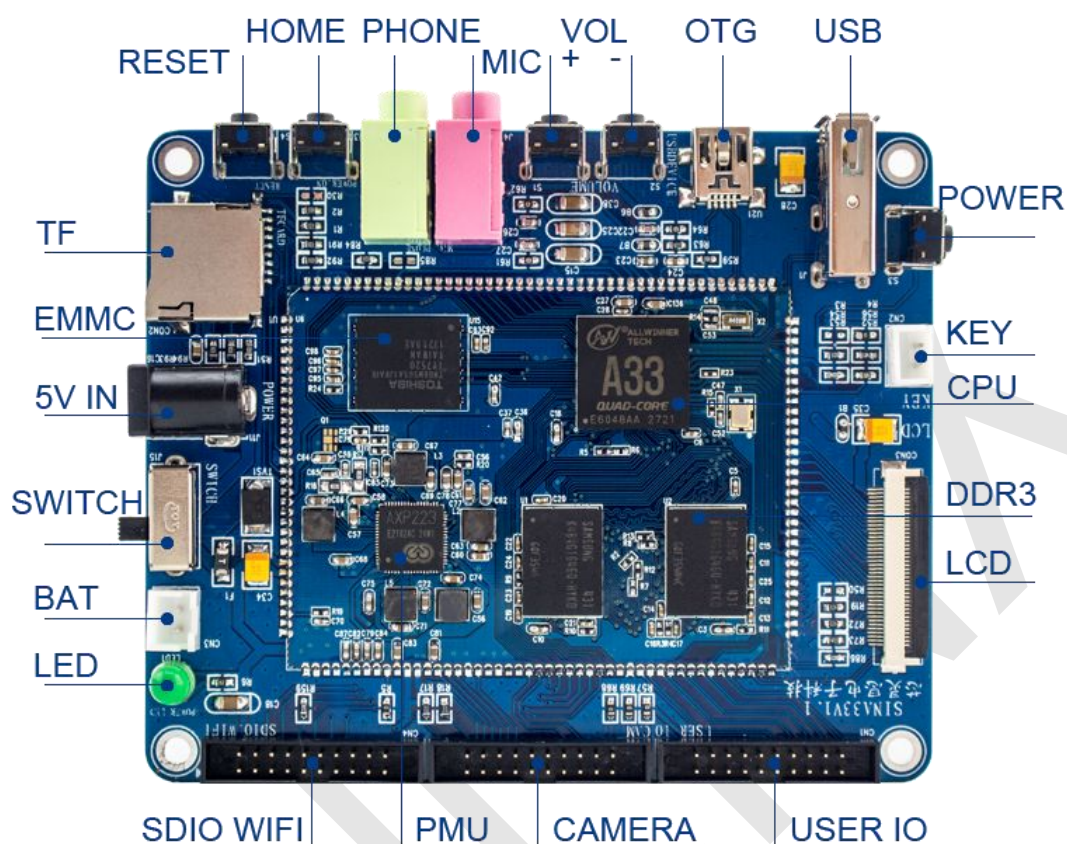
	Supports OpenGL ES 2.0 / VG 1.1 standards
Video	<p>Supports 1080p@60fps video playback</p> <p>Supports multi-format FHD video decoding, including Mpeg1/2, Mpeg4 SP/ASP GMC, H.263, H.264, WMV9/VC-1, VP8, etc.</p> <p>Supports H.264 High Profile 1080p@60fps encoding</p> <p>Complies with RTSP, HTTP, HLS, RTMP, MMS streaming media protocols</p> <p>Supports OpenMax protocol</p>
Display	<p>Supports 1/2/4-lane MIPI DSI up to 1280x800 resolution</p> <p>Supports MIPI DSI V1.01 and MIPI D-PHY V1.00</p> <p>Supports command mode and video mode (non-burst mode with sync pulses, non-burst mode with sync event and burst mode)</p> <p>Supports RGB/CPU/LVDS LCD up to 1280x800 resolution</p>
Camera	<p>Integrated parallel camera sensor interface</p> <p>Supports 5M CMOS sensor</p> <p>Supports 8-bit YUV sensor</p>
Memory	<p>Supports DDR3/DDR3L SDRAM controller, supports two ranks</p> <p>Supports 8-bit NAND Flash controller</p>
Audio	<p>Supports 8-bit NAND Flash controller</p> <p>Two integrated differential analog mic amplifiers for headset and phone</p> <p>Supports Talking Standby Mode for ultra-low power consumption during voice calls</p>

(三) CPU BOARD

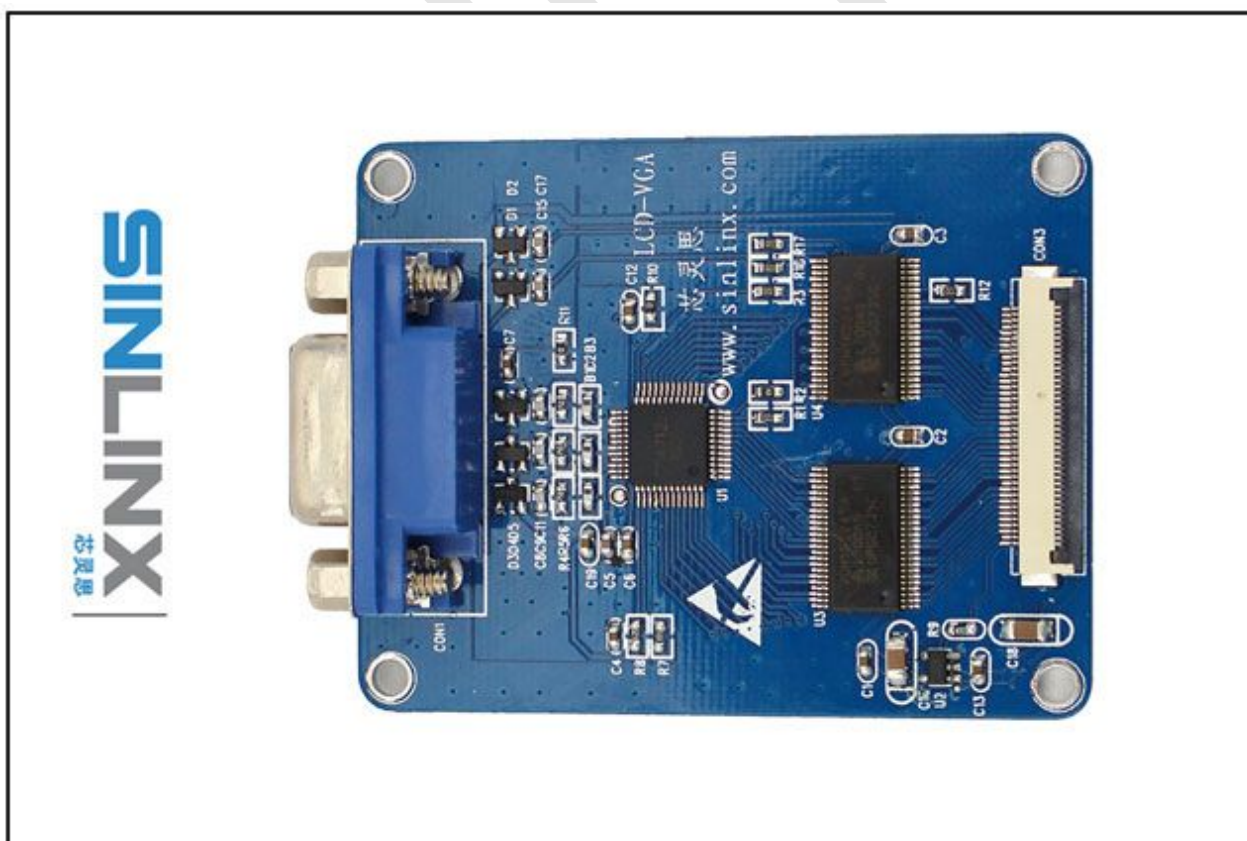


NAME	Features
CPU	Allwinner A33 Quad Cortex-A7 1.3Ghz
RAM	1GB DDR3
EMMC	4GB EMMC
GPU	Mali400MP2 OpenGL ES2.0 VG1.1 standards
PMU	PMIC AXP223
PIN	$(32+47) * 2 = 158$ pins
OS	Android4.4 & Linux3.4

(四) SDK BOARD



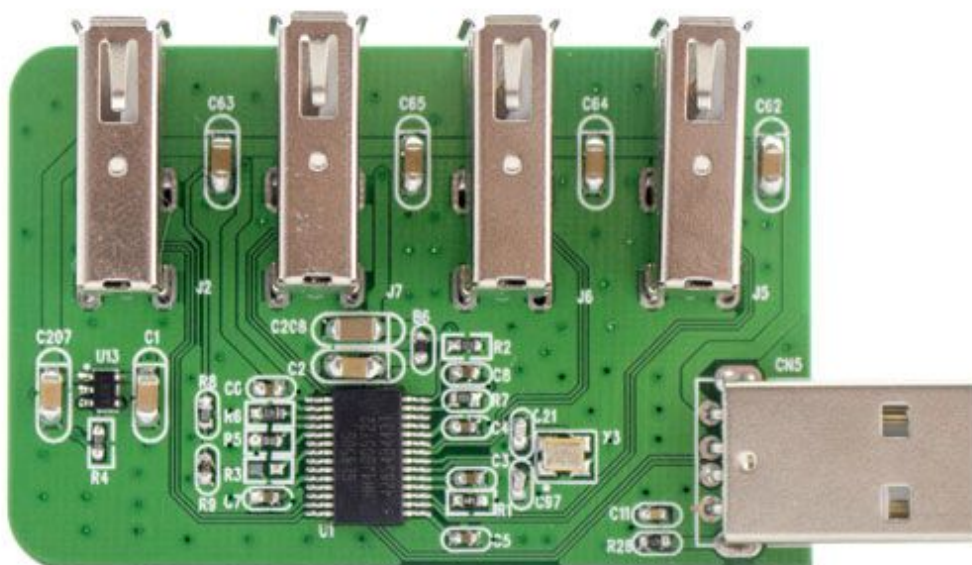
(五) Modules



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(六) Operating System

Name	Version
	Android4.4
	Linux3.4

(七) How To Buy

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