



Allwinner Technology



Dual-Core Mobile Application Processor

Multi-core performance is now a critical requirement of new consumer, home, and auto infotainment devices. As computing resource requirements increase, computing power must

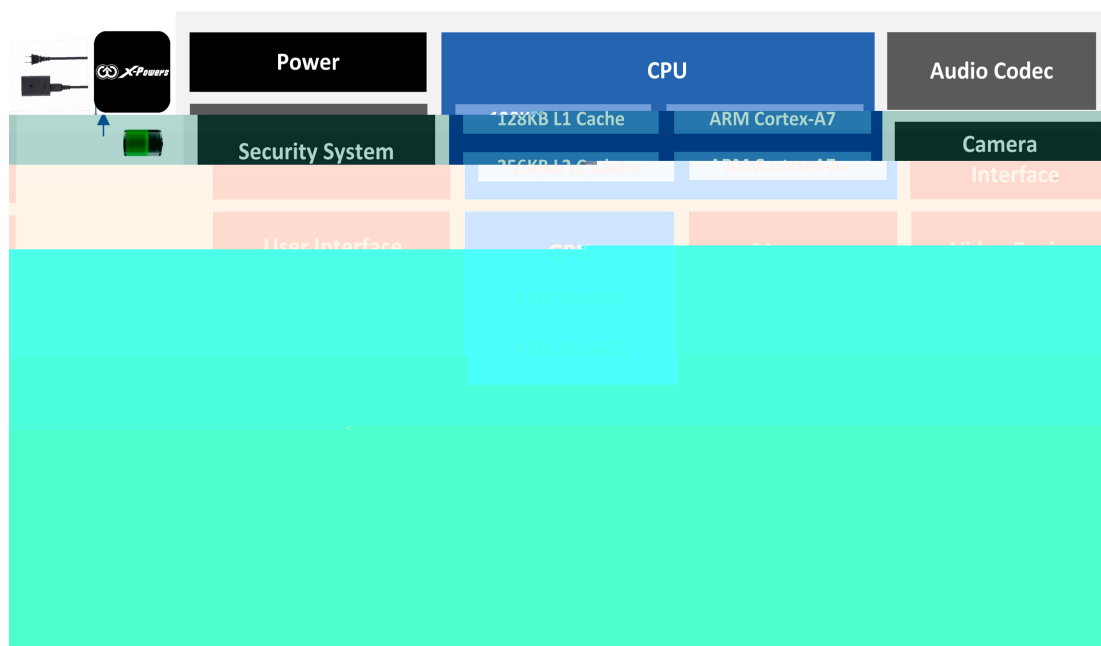
are growing in complexity as users require faster and more enjoyable content. Allwinner's A20 processor, a dual-core Cortex™-A7 system, delivers a multi-core solution for tablets, smart TV, IPTV, and portable devices that effectively balances system cost, performance, and power consumption.

The A20 processor is based on a dual-core ARM® Cortex™-A7 CPU architecture, the most

Applications



cycle and enables customers to directly upgrade already-mature single-core platforms directly to dual-core.



Features

CPU	ARM® Cortex™-A7
GPU	ARM® Mali400MP2
Video	Complies with RTSP, HTTP, HLS, RTMP, MMS streaming media protocols
	Integrated TV decoder
Camera	Supports 5M CMOS sensor Supports dual sensors
Memory	
Audio	Integrated Hi-Fi 100dB audio codec
OS	Android 4.2 and above

Selection Guide

Allwinner Cortex-A Family

	A31	A31s	A20	A10s	A13
CPU	Quad-Core Cortex™-A7	Quad-Core Cortex™-A7	Cortex™-A7	Single-Core Cortex™	Single-Core Cortex™
GPU	SGX544MP2	SGX544MP2	Mali400MP2	Mali400	Mali400
Video Playback	4Kx2K				
Video Capture					