

www.rock-chips.com



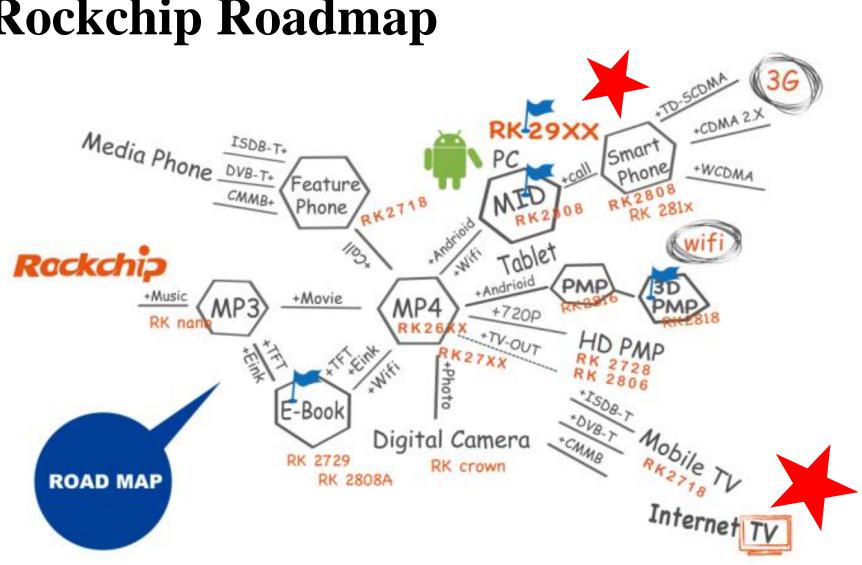
About Rockchip

- Set up in 2001.
- ◆ 380 employees, engineers accounts for 80%.
- Focuses on 3G internet mobile solution and IC design.



- Terminal products target on smart phone, MID, e-book and multimedia player.
- Customers include domestic and overseas renowned brands, such as: Samsung, Philips, Archos, BBK, Hanwang, OPPO, etc. Set up global strategic partnership with Microsoft in 2007.





Rockchip Roadmap



Y 2011 Products Planning

	Q1	Q2	Q3	Q4
2011	Android Gingerbread: RK2918 SDK RK2918 CS Android Honeycomb: RK2918 ES	Android Gingerbread: RK2918 MP Android Honeycomb RK2918 CS RK2918 MP	RK30XX	RK30XX Sample ES
2012	RK30XX CS MP			



RK29XX Solution

World 1st 1080P web m **VP8 Hardware Decoder** RK29XX MID Android 2.3 Flash 10.1 IMS **Triple Core** CPU 1.2G ARM V7 GPU 60M tri/s

/ideo Processor 1080P



Reckchip

RK29XX Solution



RK2918 Smart Phone Solution



Cortex A8 1.2G 1080P Encoding/Decoding Webm VP8 OPENGL ES 1.1/2.0 Android 2.3 (Gingerbread) 1.2GHz

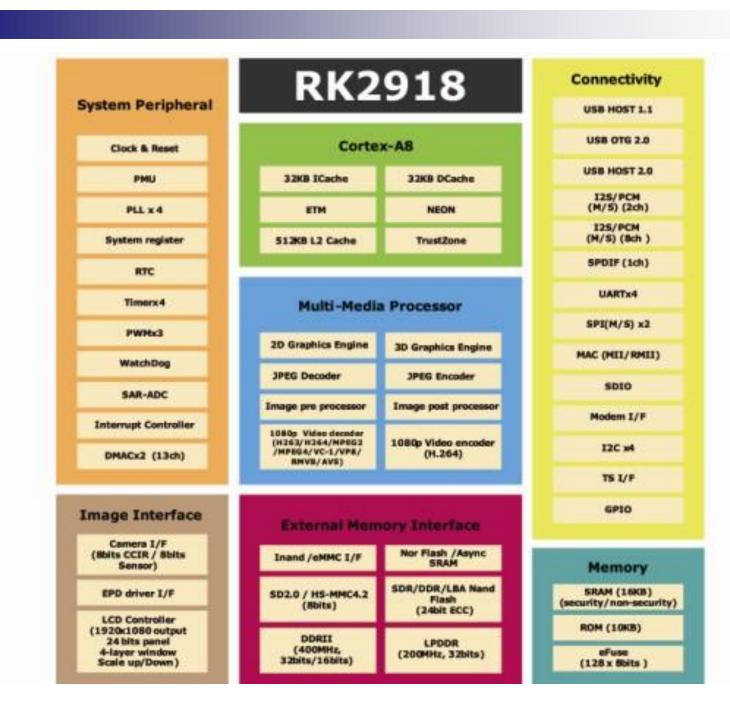




RK29XX Introduction

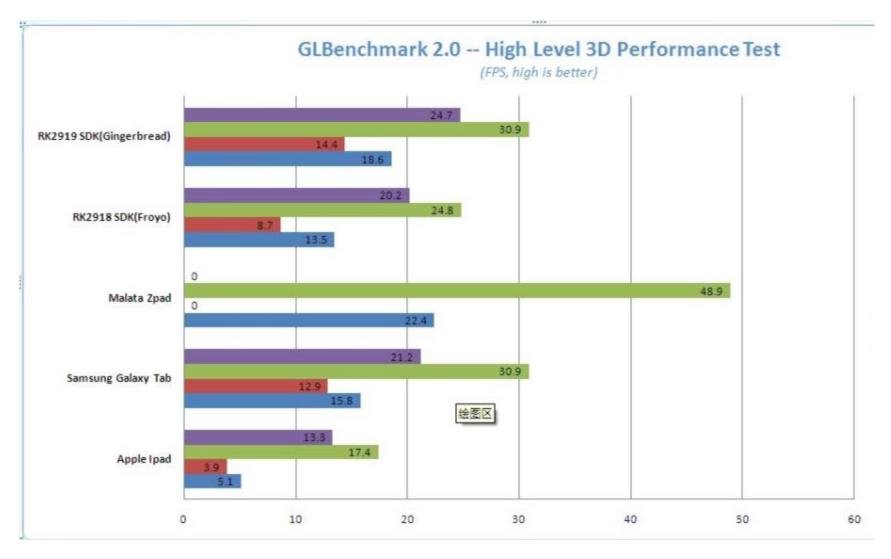
- •1.2G ARM Cortex A8 core with Neon and 512KB L2 cache
- •High performance 2D/3D processors support OPENGL ES 2.0 and OPEN VG, Support 60M tri/s max
- •1080P video decoding for H.264, VP8, RV, WMV, AVS, H.263, MPEG4, etc.
- •1080P video encoding for H.264
- Support DDRIII, DDRII, Mobile DDR memory
- •24bit HW ECC for MLC NAND, support e-MMC boot
- •Three USB ports for Device,Host,3G module
- Two SD ports for SD card and WIFI
- Sensors interface for front and rear camera, up to 5M
- Standard TFT/EPD controller for variable panels
- •MAX 8 channel I2S and SPDIF output for HD movie
- •TS port for mobile and terrestrial TV, ATSC-T/MH····
- Ethernet networking interfaces







RK2918 3D Performance





RK2918 Parameter

Part		Item	
Processor		RK2918	
CPU Speed		Cortex A8(1.2 GHZ)	
RAM		DDR2(512MB), DDR3 Optional	
OS		Android 2.2/2.3	
Connectivity		BT,WIFI	
Control		Touch Panel	
Display		TFT	
	MPEG4	1080P	
Decoder	H.264	1080P	
Decouel	VP8	1080P	
	RMVB	1080P	
Encoder	H.264	1080P	
	VOIP	Will be supported	
OTG		SUPPORT	
Micro-USB		for service, support and local file copy	
HDMI		HDMI * 1	
WIFI		802.11n (/b/g compatible),wireless video streaming requires 802.11g or 802.11n	
Power		DC 12V/2A(AC optional)	





Rockchip

RK28XX Solution



RK2818 Smart Phone Solution



DuoCore (ARM +DSP) Android 2.1/2.2 LCD Support up to WVGA 720P Video Decoding D1 H.264 Encoding 5Mega DC







RK2818





- android 2.1
- 65 nm
- Dual Core (ARM+DSP), ARM: 600M; DSP: 550M
- Support android OS
- Support 3G
- Support Online Video Player
- Support 720P (1280 \times 720) Multi-Format Video Decoding
- Support High-Pixel Photo & Camera

Rockchip ^{瑞芯微电子}

RK2808 is a high-integration, highperformance, low-power digital multimedia processor with hardware acceleration capacity and 65 nm technology based on (DSP+CPU) dual core for portable PC, smart phone, MID, GPS, E-book, can operate fluently based on android OS.

RK2808







RK2729



RK2808A and RK2729 are solutions for TFT/E-ink, can operate fluently based on android OS.







RK crown is a high-integration, highperformance, low-power digital multimedia processor based on DSP core and video co-processor core for high-end PMP.



RK crown





RK nano



RK nano is a high-integration, high-performance, low-power digital multimedia processor for MP3.





























Y2011 MID Market

•Global shipments of MID are set to rise to 57.6 million units in 2011.

•RK shipments will be more than 10 million pieces in 2011.

Tier 1 Project		Tier 2 Project		
No. Customer		No.	Customer	
		1	AIGO	
1	FIH	2	Winaccord	
2	TMSBG	3	Newsmy	
2	3 TOSHIBA/Skyworth	4	Hanwang	
5		5	GPS Technology	
4	TCL/ZTE	6	FOXDA	
5	Archos	7	COBY	
	Vitona	8	Malata	
6	Yifang	9	Quanta	





Smart Phone



Cortex A8 1.2G 2D/3D GPU 1080P VP8 VoIP ATSC-T/MH android 2.3

RK 29xx







3G

6°

Smart Phone

TD SCDMA

720P Video

0

MORE...

Digital TV

Glasses-free 3D

3G Smart Phone

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无法使用位置

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出版 Google 的版图: 新动版 (情绪

RK-2

Google





3G Smart Phone

Rockchip 3G smartphone solution

Share your life & make your life more wonderful

ideo call & 720P video



- 3G Video call by TD-SCDMA
- Exciting video experience of 720P video in all-format
- Support Online Videos & TV & Games, Blog, E-mail, E-Book, Real-time Information
- Digital TV include CMMB、DVB、ISDB、DMB
- HD Screen with capacitive touch
- Embedded sensors (accelerometer or Position sensor or Light sensor) for comfortable daily use
- Support Bluetooth & WIFI & GPS





Rockchip GPRS/EDGH smartphone solution Low cost Smartphone Android can also enjoy low cost

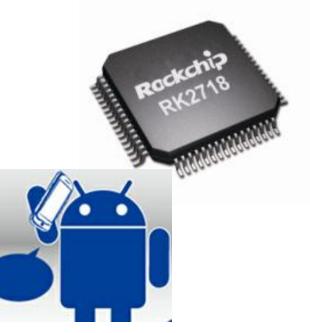


- RK2818:660Mhz (ARM) +500Mhz (DPS)
- 3.2'~4.3' WVGA Resistive or Capacitive panel
- Exciting video experience of 720P video in all-format
- 3.0 Mega Pixels camera
- Support Blue tooth & WIFI & GPS
- 256MB DDRII RAM+512MB NAND FLASH
- Support Online Videos & TV & Games, Blog, E-mail, E-Book, Real-time Information



Multi-Media/Digital TV Phone

Rockchip Multimedia & DTV phone solution Multimedia & Digital TV 3 in 1(ISDB-T+DVB-T+CMMB)



RK2718+Moblie phone Baseband

- 3.2' HVGA Resistive panel
- Support all formats of D1(720X480) video files(MPEG-4、 WMV9、RMVB、FLV、H.264…)
- Support for all global standard of Digital TV(CMMB, ISDB, DVB, DMB...)
- Support all formats of audio files (MP3, WMA, OGG, AAC, AAC+, RA, APE, FLAC...)



Glasses-free 3D Phone

Rockchip 3D smartphone solution Magic Naked eye 3D Bring you into the lives of 3D



- Naked eye 3D with Grating membrane technology
- 5.0 Mega Pixels camera
- 3.5' WVGA HD screen & 5 point touch panel
- Exciting video experience of 720P video in all-format
- Support Online Videos & TV & Games, Blog, E-mail, E-Book, Real-time Information
- 256MB DDRII RAM+512MB NAND FLASH
- Support Bluetooth & WIFI & GPS
- Embedded sensors (accelerometer or Position sensor or Light sensor) for comfortable daily use



Rockchip ^{瑞志微电子} Machine









Glasses-free 3D Player









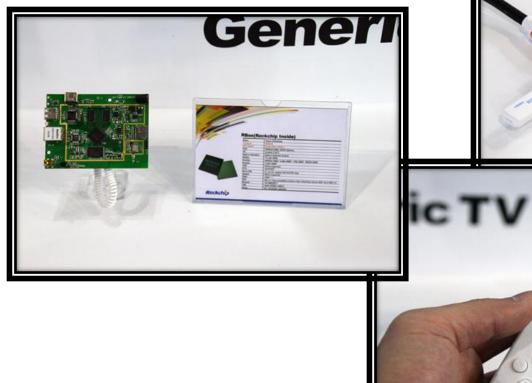
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E-BOOK

















Ethernet/WiFi/4G web▶m		-
Web Mil	Brand	Deom of Rockchip
Games	Processor	RK2918
Internet	CPU Speed	Cortex A8(1.2 GHZ
4G	RAM	DDR2(512MB), DDF
	OS	Android 2.2/2.3
Video	Mode of Operation	Build-in bluetooth re
	Display	TV with HDMI
	Decoder	MPEG4:1080P H.2
	Encoder	H.264:1080P
	VOIP	Will be supported
	OTG	SUPPORT
-	Micro-USB	for service, support
	Camera	Will be supported
	HDMI	HDMI * 1

for android TV

Brand	Deom of Rockchip		
Processor	RK2918		
CPU Speed	Cortex A8(1.2 GHZ)		
RAM	DDR2(512MB), DDR3 Optional		
OS	Android 2.2/2.3		
Mode of Operation	Build-in bluetooth receiver		
Display	TV with HDMI		
Decoder	MPEG4:1080P H.264:1080P VP8:1080P RMVB:1080P		
Encoder	H.264:1080P		
VOIP	Will be supported		
OTG	SUPPORT		
Micro-USB	for service, support and local file copy		
Camera	Will be supported		
HDMI	HDMI * 1		
WIFI	802.11n (/b/g compatible), wireless video streaming requires 802.11g or 802.11n		
Ethernet	10/100BASE-T		
USB	HIGH SPEED USB2.0		
Power	DC 12V/2A(AC optional)		



Compare to Google TV

1, support the Terrestrial Television Standard around the world (cmmb, isdb, dvb, atsc)

2, can surf and watch TV at the same time, has preview function

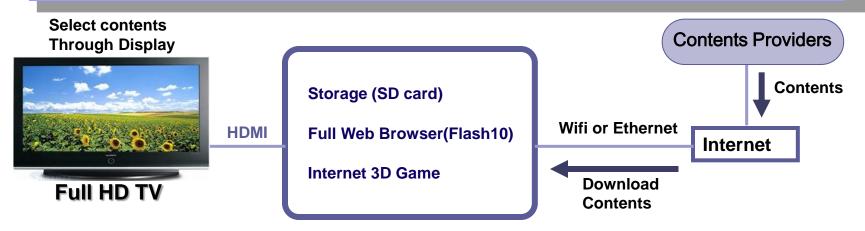
Compare to traditional Internet TV

1, has stronger and united platform

2, has richer internet TV resources (Rockchip develops and integrates the analysis of all internet video websites independently)

3, new remote controller

4, more convenient wireless connection with other electric appliances (by Bluetooth, wifii)





RK Product Show







Coming Soon

MAY 2011 COMPUTEX









Feb 2011 MWC



Jan 2011 CES





P&T/EXPO COMM CHINA 2010 (Oct)



Oct 2010 Hong Kong Electronics Fair







April 2010 Hong Kong Electronics Fair





Aug 2010 IFA



RK Global Partners

PHILIPS sense and simplicity*

COBY_®

TECSUN

TEAC ARCHOS ZTE中兴

SAMSUNG



ARM

RAmos 蓝魔 声·色·影·像





EGOMAN







iriver



RK Honors



- Dec 2010 China Chip "Leading Company'.
- Mar 2010 "Fujian Science & Technology Progress First Award"
- Dec 2009 China Chip "Best Design Company".
- Oct 2009 "Fuzhou Science & Technology Progress First Award".
- Dec 2008 China Chip "Best Market Performance Prize" .
- Dec 2007 China Chip "Best Market Performance Prize" .
- Aug 2007 Set up Global Strategic Partnership with Microsoft.
- June 2007 Eleventh China International Software Expo Gold.
- Y 2006 Number One in MP3 High-end Chip Industry.
- Y 2006 First China Chip "Best Market Performance Prize".
- Y 2005 Passed Government Approval for IC Design Company.
- Y 2002 Passed Government Approval for Hi-tech Software Company.



Thank You!