

TCC893x STB Android Solution's System Specification

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	Specification			STB			Remark
				2014.02 (Beta)	2014.03 (1st Official)	-	
	Boot loader	Type	Ik Boot	YES			
		Default Device	NAND (SLC/MLC)	YES			Recommend lager than 2GB
			eMMC	YES			Should be used the SD Port1 or Port5 for SD/eMMC boot.
			SD	YES			
Kernel	DRAM Control	DDR3	512M	YES			If Flash Player is mandatory, you must use 1024MB.
			1024M	YES			
	Storage	NAND Driver	FAT	YES			
			NTFS	YES			
		SD/MMC	FAT	YES			
			NTFS	YES			
		USB Storage	FAT	YES			
			NTFS	YES			
	USB	USB Device	USB 2.0/3.0 Device	YES			
		Host 2.0	USB Host 2.0	YES			
		Host 3.0	USB Host 3.0	YES			Support only with TCC8930
	Audio	I2S Interface		YES			
		Audio Codec	WM8524	YES			
		SPDIF Interface	PCM	YES			
			Pass Through	YES			
		UAC		YES			
	Connectivity	Ethernet	GMAC/MII/RGMII	YES			
		Wifi	Realtek 8188CU	YES			802.11 b/g/n, USB I/F, Wi-Fi Dongle
			Realtek 8188EUS	YES			802.11 b/g/n, USB I/F, for YJ8930/30T, uPC
			Realtek 8189ES	YES			802.11 b/g/n, SDIO I/F, for YJ8935T, HDMI Dongle
			BCM4334	YES			802.11 b/g/n, SDIO I/F, HDMI Dongle
	I/O	GPSB	SPI Host	YES			
			SPI Slave	YES			
			TSIF Serial	YES			
		TS Parallel		YES			
		I2C		YES			
		UART		YES			
		Smart Card		YES			
		IR	CS-2000	YES			
			Novatek	YES			
			NEC	YES			
			Virtual Mouse	YES			Animate mouse operation with remocon/keyboard
		Mouse	USB mouse	YES			
		Keyboard	USB keyboard	YES			
		Display Interface	CVBS	NTSC	YES		
	PAL			YES			
	Component		1920x1080i	YES			With THS8200 Chip
			1280x720p	YES			With THS8200 Chip
	HDMI		1920x1080p 50/60Hz	YES			
			1920x1080i 50/60Hz	YES			
			1280x720p 50/60Hz	YES			
			720x576p 50Hz	YES			
			720x480p 60Hz	YES			
			640x480p 60Hz	YES			
			Auto Mode	YES			
			Scale Up UI	YES			
	Native Framerate		YES				
	Default Display	HDMI/Composite	YES				
	Default Resolution	1280x720 (Set-top)	YES				
	Camera	UVC		NO	YES		
	3D/2D	3D/2D	Mali400 Driver	YES			
	Power Mangment	Sleep		YES			
		Shutdown		YES			
	DxB	DVB-T(2) DVB-S(2)	Playback	YES			
			Recording (TS)	NO	YES		
Capture			YES				
EPG			YES			There could be patent issues about EPG. For the patent about EPG, Telechips doesn't guarantee anything, and it should be handled by customer themselves.	
TeleText			YES				
SubTitle			YES				
TCC351X(DVBT)			YES				
ATSC		Playback	TBD				
		Recording (TS)	TBD				
		Capture	TBD				
		EPG	TBD				
		Closed Caption	TBD				
		CAS	TBD				

Application	IPTV	IPTV (TS Streaming)	UDP	YES		
			RTP	YES		
	Multimedia	Video	AVI	YES		
			3GP/MP4	YES		
			MOV	YES		
			MPG	YES		
			VOB	YES		
			MKV	YES		
			FLV	YES		
			TS/TP	YES		
		Additional Video Codec	WMV (License)	YES		
		Music	MP3	YES		
			MP2	YES		
			AAC	YES		
			OGG	YES		
			FLAC	YES		
			APE	YES		
		Progressive Download (HTTP)	AVI	YES		
			ASF	YES		
			3GP/MP4/MOV	YES		
			MPG	YES		
			VOB	YES		
			MKV	YES		
			FLV	YES		
			TS/TP	YES		
		Streaming Play (RTP/RTSP)	3GP/MP4	YES		Unicast only
		Network File System	NFS	YES		Work with PC application that support NFS.
			CIFS	YES		
		Effect	Telechips EQ	TBD		
			SRS (License)	TBD		
		Variable speed Playback	0.1 ~ 1.9(License)	TBD		Pitch control will be provided by 3rd party
			forward seek (x2 ~ x32)	YES		
			reverse seek (x2 ~ x32)	YES		
		Additional Audio Codec	AC3 (License)	YES		
			eAC3 (License)	YES		
			DTS (License)	YES		
			WMA (License)	YES		
		Subtitle	SMI	YES		
			SRT	YES		
			SUB	YES		Support only SUB 2.0 Text
			MKV/TS Internal	NO	YES	
	Multimedia	Multi Audiobook		YES		
		Screen Mode		YES		Box, Pan&Scan, Full Screen support
		Video Repeat		YES		Normal/Repeat one/Repeat all support
		Video Preview		YES		Thumbnail of video file is not supported in preview mode
		Video Enhancement	Deinterlacing	YES		60Hz Deinterlacing support
	Photo	Format	JPEG	YES		
			GIF	YES		
			PNG	YES		
			BMP	YES		
			TIFF	TBD		
	WIFI	WIFI Direct		YES		
		WIFI Tethering		YES		