TCC892x STB Android Solution's System Specification

Version 1.00, 2013.03.31

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	Specification			STB			Remark
				2014.02 (Beta)	2014.03 (1st Official)	-	
	Boot loader	Type	lk 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		
			1024M		YES		If Flash Player is mandatory, you must use 1024MB.
	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		
	Audio	I2S Interface			YES		
		Audio Codec	WM8524		YES		
		SPDIF Interface	PCM		YES		
			Pass Through		YES		
		UAC			YES		
	Connectvity	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 uPC
			Realtek 8189ES		YES		802.11 b/g/n, SDIO I/F, for YJ8925T, 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)	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	
	Multimeida	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 appliction that suuport 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	
	Multimeida	Multi Audiotrack			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	