TCC892X MID Android Solution's System Specification

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	Specification				MID 2014.02 (Beta)	MID 2014.03 (1st Official)		Remark
	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	OTG	USB2.0 OTG			YES		
		Host 2.0	USB Host 2.0			YES		
	Audio	I2S Interface				YES		
		Audio Codec	WM8731			YES		
			WM8988			YES		
			RT5633			YES		
		SPDIF Interface	PCM			YES		
			Pass Through			YES		
		UAC			NO		YES	Support only 44.1KHz
	Connectvity	Ethernet	GMAC/MII/RGMII			YES		
		WIFI	Realtek 8188CU			YES		802.11 b/g/n
			Realtek 8188EU			YES		802.11 b/g/n
			Realtek 8189ES			YES		802.11 b/g/n
			Broadcom BCM4334			YES		802.11 a/b/g/n, Dual-band (Murata/USI)
			Broadcom BCM4335			YES		802.11 a/b/g/n/ac Dual-band (Murata)
			Broadcom Ampak AP6234			YES		802.11 a/b/g/n, Dual-band
	I/O	GPSB	SPI Host			YES		
			SPI Slave			YES		
			TSIF Serial			YES		
		TS Parallel				YES		
		I2C				YES		
		UART				YES		
		Touch Driver	Internal ADC			YES		
			GT813			YES		
		Mouse	USB mouse			YES		
		Keyboard	USB keyboard			YES		
		LCD	800x480			YES		
		LVDS	1024x600			YES		
			1024x768			YES		
			1280x800			YES		
		HDMI	1920x1080p 50/60Hz			YES		
			1280x720p 50/60Hz			YES		
			640x480p 60Hz			YES		
			Auto Mode			YES		
			Scale Up UI			YES		
		Default Display	LCD			YES		
			LVDS			YES		
		Default Resolution	800x480			YES		
			1024x600 (LVDS)			YES		
			1024x768 (LVDS)			YES		
			1280x800 (LVDS)			YES		
	Camera	1.3M Pixel	MT9M113			YES		
			SR130PC10			YES		
		2M Pixel	MT9D112			YES		
		3M Pixel	S5K5CAGA			YES		
			MT9T111			YES		
		5M Pixel	MT9P111			YES		
		UVC			NO		YES	
	RTC	RTC Driver				YES		
	GPS	GPS Driver	SiRF(JGR-SC3-S)			YES		
	Sensor	G-Sensor	BMA023			YES		
			BMA150			YES		
			BMA220			YES		
			BMA250			YES		
		Compass Sensor	AK8975			YES		
	Power		AXP192			YES		

	Power Mangment	DVFS	AXP202		YES	
			TCC270		TBD	
	3D/2D	3D/2D	Mali400 Driver		YES	
	Power Saving	Sleep			YES	
		Shutdown			YES	
Application	DxB	T-DMB	Playback		YES	
			Recording (TS)	NO	YES	
			Capture		YES	
			DAB		YES	
			SLS/DLS		YES	
			TPEG		NOT SUPPORT	
			TCC3171		YES	
			TCC3161		YES	
			TCC351X		YES	
		DVB-T	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		YES	
		ISDB-T (Full Seg)	Playback		YES	
			Dual Decoding	NO	YES	
			Recording (TS)		TBD	
			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.
			SubTitle		YES	SuperImpose will be supported from 1st Official Release.
			CAS		YES	
			TCC353X		YES	
		ISDB-T (One Seg)	Playback		YES	
			Recording (TS)		TBD	
			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.
			SubTitle		YES	
			TCC3532		YES	
Application	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
		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

Application						
Application	Multimeida	Video Enhancement	MKV/TS Internal	YES		
			Deinterlacing	YES		60Hz Deinterlacing support
	Photo	Format	JPEG	YES		
			GIF	YES		
			PNG	YES		
			BMP	YES		
			TIFF	NOT SUPPORT		
	Camcorder	Video Codec	H.263/H.264	YES		
			MPEG4	YES		
		Audio Codec	AAC/AMR-NB	YES		
		Format	MP4	YES		
			AVI	YES		
			M2TS	NO	YES	
	Camera	Format	JPEG	YES		
	Video En/Decode			YES		
	Audio Recording	Audio Codec	MP3	YES		
			AMR	YES		
	BT	Module Driver	Broadcom BCM4334	YES		
			Broadcom BCM4335	YES		
			Broadcom Ampak AP6234	YES		
		Bluedroid	AD2P	YES		
			AVRCP	YES		
			OPP	YES		
			PBAP	YES		
			HID	YES		
			PAN(NAP/PANU)	YES		
	WIFI	WIFI Direct	Realtek 8188CU	YES		
			Realtek 8188EU	YES		
			Realtek 8189ES	YES		
			Broadcom BCM4334	YES		Murata/USI
			Broadcom BCM4335	YES		Murata
			Broadcom Ampak AP6234	YES		