

TCC893X MID Android Solution's System Specification

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	Specification			MID			Remark
				2014.02 (Beta)	2014.03 (1st Official)	-	
	Bootloader	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			
		Host 3.0	USB Host 3.0	YES			
	AUDIO	I2S Interface		YES			
		Audio Codec	WM8731	YES			
			RT5633	YES			
		SPDIF Interface	PCM	YES			
			Pass Through	YES			
		UAC		NO	YES		Support only 44.1KHz
	Connectivity	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			
	DISPLAY	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 MANAGEMENT	DVFS	AXP192	YES		
	AXP202			YES			
	TCC270			TBD			
	3D/2D	3D/2D	MALI400 Driver	YES			
POWER SAVING	Sleep		YES				
	Shutdown		YES				
			Playback	YES			
			Recording (TS)	NO	YES		

Application	DxB	T-DMB	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	MUTIMEDIA	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		
		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	YES		
		Video Enhancement	Deinterlacing	YES		60Hz Deinterlacing support
Application	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	
	BLUETOOTH	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 / Tethering / Display	Realtek 8188CU	YES	
			Realtek 8188EU	YES	
			Realtek 8189ES	YES	
			Broadcom BCM4334	YES	Murata/USI
			Broadcom BCM4335	YES	Murata
			Broadcom Ampak AP6234	YES	