

# TCC892X MID Android Solution's System Specification

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	Specification			MID			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	OTG	USB2.0 OTG	YES					
		Host 2.0	USB Host 2.0	YES					
	Audio	I2S Interface	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					
			S5K5CAGA	YES					
		3M Pixel	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. SuperImpose will be supported from 1st Official Release.		
		SubTitle		YES				
		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	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	Multimedia		MKV/TS Internal	YES		
		Video Enhancement	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		
			MP4	YES		
		Format	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		