

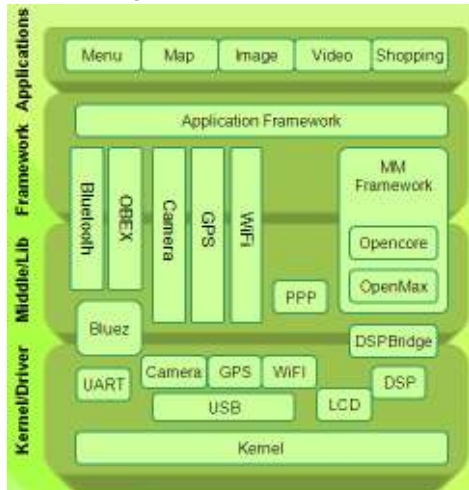
Android + TV Demonstration



Technical Specifications

Hardware	Attributes	Suppliers	Remarks		
Main Board Texas Instruments OMAP 35x EVM 	Main Processor	TI OMAP3530			
	CPU Core	ARM Cortex-A8 600 MHz (maximum)			
	Main Memory	128/MB Mobile DDR SDRAM			
	Flash Memory	128.MB NAND Flash			
	Display	3.7inch VGA/QVGA (640 x 480/320 x 240) LCD Display with Touch Screen			
	Multimedia	C64x™ DSP 430 MHz and graphics accelerator MPEG4 720p 30fps maximum			
	Graphics	2D/3D graphics accelerator compliant with OpenGL® ES 2.0 (PowerVR SGX) 10.MPoly/sec maximum	TI		
	Video Output	DVI-D (720p maximum) and S-VIDEO			
	Audio I/O	Stereo audio line input Headset output			
	Interfaces	High Speed USB 2.0 10/100Mbps Ethernet UART x 3			
	External Memory	8-bit MMC/4-bit SD/SDIO			
	Peripheral	Bluetooth	PTM-UBT5	Princeton	
		Bluetooth	BCM4325 reference board TAIYO YUDEN	Taiyo Yuden	
		Modem (3G)	W05K (EV-DO Rev.A)	au	
WLAN		GW-USMini2N (IEEE802.11g/b)	PLANEX		
GPS		USBGPS2	IO-DATA		
Camera		QCAM Pro 9000 (200 M pixels)	Logitec		
External Monitor		SyncMaster™ 245B	SAMSUNG		
Mobile Projector		DLP Pico projector development kit	TI		
Bluetooth HID Keyboard		dInovo Mini	Logitec	Uses HID	
Bluetooth Remote Control		BD Remote control for PS3	Sony		
Bluetooth Remote Control		Wii Remote	Nintendo		
Bluetooth Keypad	Lazy pad EL-120KB01	E-LEAD	Uses HID		
Bluetooth A2DP Headset	DIALIVE LBT-HS110C2	Logitec			
Bluetooth A2DP Receiver	DIALIVE LBT-AR100C2	Logitec			
Bluetooth Weight Scale	UC-321PBT	A&D	Uses SPP		
Speaker	X-140	Logitec			
Smartphone	N95 / N810	NOKIA	For data exchange		
Smartphone	HT03-A	NTT Docomo	For DLNA/DMP		
Smartphone	iPhone 3G	Softbank	For DLNA/DMP		
Netbook	Eee PC 701	ASUS			
Software	Attributes	Suppliers	Remarks		
OS and Kernel	OS	Android 1.5	OHA		
	Kernel	Kernel 2.6.29 + TI + Android + ISB	-		
Applications	Home and Main Menu	3D Launcher for TV	ISB		
	Video Player	3D Media Player for TV	ISB		
	Still Picture Viewer	3D Media Player for TV	ISB		
	Music Player	3D Media Player for TV	ISB		
	Map	Google Map for Open Source Project	ISB	Created without using Google Map API for OSP	
	Shopping	Yahoo Shopping for TV	ISB		
	Camera	Bundled with Android	OHA		
	Flickr/Picasa Viewer	Flickr/Picasa Viewer	ISB		
	Internet Browser	Bundled with Android	OHA		
	Healthcare	Healthcare Application	ISB		
Added/Modified Middleware and Drivers	Bluetooth	Supports Profile extension (DUN, HID, SPP and A2DP) Bluez Ver3.36 (Android) : Bluetooth 2.0+EDR	ISB OHA		
	File Transfer Middleware	OBEX implemented	ISB		
	3D Library	3D UI Library Creation	ISB		
	DLNA	DMS (Digital Media Server) Implemented	ISB		
	Remote Controller	Bluetooth Remote Controller Control Implemented	ISB		
	Multimedia	OpenCore Supports OpenMAX IL / TI DSP	OHA ISB		
		Ingenient Android Platform Codec for OMAP	ingenient	To be implemented	
	Camera	Supports QCAM Pro 9000	ISB		
	WLAN	Supports GW-USMini2N	ISB		
	Modem (3G)	Supports EVDO	ISB		
	External Monitor	Supports DVI-D (1280 x 720) output	ISB		
	Other	DLNA DMP	PlugPlayer V2.2.2	Howard Abrams	iPhone application
		(digital media player)	Andromote	Par Mirko	HT03-A Android

Software Block Diagram



Contact

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