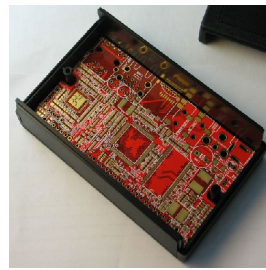




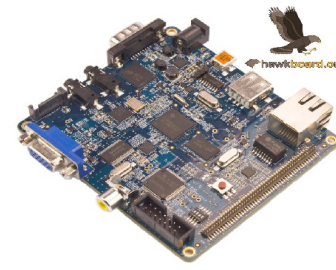
Name	Raspberry Pi Model B	MK802	Mele A1000	Rhombus-Tech A10 EOMA-68	Gooseberry board
SoC	Broadcom BCM2835	Allwinner A10	Allwinner A10	Allwinner A10	A10
CPU	700 MHz ARM1176JZF-S core (ARM11 family)	1.5GHz? Cortex-A8	1GHz+ Cortex-A8	1.2ghz Cortex A8 ARM Core	1 Ghz - 1.5 Ghz 1.2 Ghz highest stable
GPU	Broadcom VideoCore IV, OpenGL ES 2.0	MALI400MP OpenGL ES 2.0	MALI400MP OpenGL ES 2.0	MALI400MP OpenGL ES 2.0 GPU	Mali 400 MHz
RAM	256 MB (shared with GPU)	1GB / 512MB DDR3	512MB DDR3	1gb	512MB
Nand Flash	-	4GB	4GB	1gb - 16gb	4Gb
Video outputs	Composite RCA, HDMI, DSI	HDMI	HDMI, CVBS, VGA	HDMI, TV-Out	Hdmi
Audio	3.5 mm jack	-	R+L, optical SPDIF	Headphones Socket	3.5mm Earphone Jack
USB	2 USB 2.0	2 (USB + mini USB OTG)	3 usb	USB-2	1x Mini Usb
Storage	SD / MMC / SDIO	microSD	SD, SATA	Micro-SD, SATA	Micro SD
Ethernet	10/100	-	10/100Mbps	10/100 Eth	-
Wireless	-	802.11b/g, WAPI (Ralink8188)	802.11b/g/n WAPI(Ralink8188)	-	802.11 b/g/n
Other ports	8 × GPIO, UART, I²C bus, SPI bus	-	Internal board: UART, USB ADB, MIC?, CVBS-IN?, I2C?	a lot	unclear
Power	3.5 W		idle 0.34A@5V = 1.7W youtube 720p = ~4.6W		
Power source	5V	5V/2A	5V		
Size	85.60 × 53.98 mm	88.5 x 35 x 13.4 mm	15.0 cm x 10.3 cm x 3.6 cm ?	PCMCIA size	
Weight	45 g		406 g ?		
OS included	-	Android 4.0	Android 2.3		Android 2.3
Supported OS	Debian GNU/Linux, Fedora, Arch Linux ARM	Puppy Linux, Ubuntu, ..	ubuntu, Debian, puppy, android ics		ubuntu, Debian, puppy, android ics
Available for order today	No (about 4 month lead-time)	Yes	Yes	No	No
Price	\$35 + shipping	\$73.00 (512MB), \$83 (1G) with shipping	\$86 with shipping, \$91 with TTL-USB and 2-2.54 cables	\$15 (mass volumes) + case, packaging, shipping, profit.	£40 + shipping



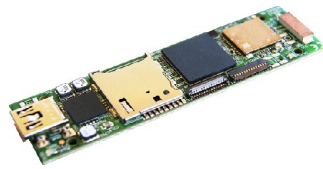
Name	Pineriver H24/MiniX	Smallart UHOST	A13-OLinuXino	VIA APC	BeagleBoard Rev. C4
SoC	A10	Allwinner A10	Allwinner A13	VIA WonderMedia 8750	TI OMAP3530
CPU	1.2GHz	1GHz Cortex-A8	1GHz A13 Cortex A8	800 MHz ARM11	720 MHz ARM Cortex-A8
GPU	Mali400	Mali400	Mali400	OpenGL ES 2.0	PowerVR SGX
RAM	512MB	1 GB	512 MB	DDR3 512MB	256 MB
Nand Flash	4GB	4 GB	optional 4GB	2GB	256 MB
Video outputs	HDMI, CVBS	HDMI	VGA, optional HDMI, LCD	HDMI, VGA	DVI-D (HDMI connector), S-Video
Audio	stereo	Mic jack	Audio Output, Input	Audio out / Mic in	Stereo in and out jacks
USB	host, OTG	host, OTG	3 + 1 USB Host, 1 USB OTG	USB 2.0 (x4)	1 USB, USB OTG
Storage	TF	microSD	SD	microSD	SD/MMC
Ethernet	-	-		10/100 Ethernet	-
Wireless	Bult-in WIFI (removable antenna)	802.11 b/g/n	optional 802.11n RTL8188CU	-	-
Other ports	Remote controller	Ukey	UEXT connector, GPIO connector		RS-232 port, JTAG, unsoldered: I2C, I2S, SPI, MMC/SD
Power				Idle 4W Full load 13.5W	2 W
Power source	DC5V	usb powered	6-16VDC noise immune		5 V
Size	60*60*13 mm	120mm x 50mm x 13mm	130x90 mm	Neo-ITX 170 x 85mm	7.62 cm × 7.62 cm × 1.6 cm
Weight	0.05kg ?				37g
OS included	Android 2.3/4.0	android 4.0		Android 2.3	-
Supported OS	Puppy Linux, Ubuntu, ..	Puppy Linux, Ubuntu, ..	Linux		Android, Ubuntu, Fedora, ArchLinux, Gentoo, ..
Available for order today	Yes	Yes (UHOST) Preorders (Oval Elephant)	No	No	Yes
Price	\$77 with shipping	\$89 (512MB), \$95 (1GB) with shipping	€40 w/o WiFi (€32 OEM) €50 w WiFi (€40 OEM)	\$49 + shipping	\$125 + shipping



Name	BeagleBoard-xM	BeagleBone	PandaBoard	PandaBoard ES
SoC	TI DM3730	TI AM3359 Sitara	OMAP4430	OMAP4460
CPU	1 GHz Cortex-A8	500MHZ-USB Powered 720MHZ-DC Powered Cortex A8	1GHz Dual-core ARM Cortex-A9 MPCore	1.2 GHz Dual-core ARM Cortex-A9 MPCore
GPU	PowerVR SGX	SGX530	PowerVR SGX540	PowerVR SGX540
RAM	512 MB	256MB DDR2 (128MB Optional)	1GB DDR2	1GB DDR2
Nand Flash	4 GB microSD	-	-	-
Video outputs	DVI-D (HDMI connector), S-Video	available via BeagleBone capes	HDMI, DVI-D, LCD	HDMI, DVI-D, LCD, DSI
Audio	Stereo in and out jacks	-	3.5 in/out, HDMI Audio out	3.5 in/out, HDMI Audio, stereo in
USB	4 USB, USB OTG	USB 2.0 Client Port, Host Port	2x USB 2.0 host, 1OTG	2x USB 2.0 host, 1OTG
Storage	MicroSD	microSD	SD/MMC	SD/MMC
Ethernet	10/100 Ethernet	10/100	10/100 Ethernet	10/100 Ethernet
Wireless	-	-	802.11 b/g/n (WiLink™ 6.0), Bluetooth v2.1 + EDR	802.11 b/g/n (WiLink™ 6.0), Bluetooth v2.1 + EDR
Other ports	RS-232 port, JTAG connector, Camera port, unsoldered: I2C, I2S, SPI, MMC/SD	JTAG, Expansion boards available	General purpose (I2C, GPMC, USB, MMC, DSS, ETM), Camera, LCD, JTAG, UART/RS-232	General purpose (I2C, GPMC, USB, MMC, DSS, ETM), Camera, LCD, JTAG, UART/RS-232
Power		Peak 502mA Idling 170mA	Peak 710mA (USB mouse kbd, HDMI, WLAN); min 163mA	
Power source	5V	5VDC	5VDC/4A	5VDC/4A
Size	3.25" x 3.25"	3.4" x 2.1"	114.3 mm x 101.6 mm	114.3 mm x 101.6 mm
Weight	113.4 grams in the box	39.68 grams	74 grams	81.5 grams
OS included	Angstrom	Angstrom	-	-
Supported OS	Android, Ubuntu, Fedora, ArchLinux, Gentoo, ..	Debian, Ubuntu, Fedora, ArchLinux, Gentoo, Sabayon, ..	Ubuntu, Ångström, Android, .. Supported by Linaro	Ubuntu, Ångström, Android, .. Supported by Linaro
Available for order today	Yes	Yes	Yes	Yes
Price	\$149 + shipping	\$89 + shipping	\$174 + shipping	\$198 + shipping



Name	Cotton Candy	CuBox	Hawkboard	IGEP v2	IGEP COM Proton
SoC	Samsung Exynos 4210	Marvell Armada 510 (88AP510)	TI OMAP-L138	Ti DM3730	DM3730 (optional OMAP3530)
CPU	1.2 GHz dual-core ARM Cortex-A9	800 MHz ARMv7	300-MHz ARM926EJ	ARM Cortex A8 1GHz	1GHZ ARM CORTEX A8 (720Mhz for OMAP3530)
GPU	quad-core 200 MHz Mali-400 MP	Vivante GC600		SGX530 @ 200 MHz	SGX 530 (200Mhz) (110Mhz for OMAP3530)
RAM	1 GB	1 GB DDR3-800MHz	128 MByte	512 M	512 MBytes
Nand Flash	-		128 MByte	512 M	512 MBytes
Video outputs	HDMI with audio	HDMI 1.3	VGA, Composite IN	DVI-D, TFT Interface 24 bit	
Audio	HDMI audio	S/PDIF (optical output)	line in, out	Stereo audio in / out	
USB	USB 2.0 host/device	2 x USB, MicroUSB (console)	Host (1.1), OTG (2.0)	host + Mini OTG host/slave	1 x USB 2.0 OTG
Storage	MicroSD SDXC	MicroSD 1 x eSATA	SATA	MicroSD	MicroSD
Ethernet	-	1000baseT Ethernet	10/100 Mbps	10/100 Mb BaseT	10/100 Mb
Wireless	Wifi 802.11 b/g/n Bluetooth 2.1 + EDR	Infra-red receiver with LIRC support		Wifi 802.11 b/g Bluetooth BC4 - Class 2.0	
Other ports		-	VPIF, UPP, PRU, LCDC, UART(x2), SPI (x2), I2C (x1), eCAP, eHRPWM, GPIO, JTAG	3 x UART, Expansion boards available , McBSP, McSPI, I2C, GPIO	JTAG, Expansion: USB, DDS, Camera, uart, SPI, McBSP, I2C, keypad ...
Power		3 W			
Power source	5V (USB)	5V/2A DC	5V, 1.5A	5Vcc / 1.3A	USB Powered
Size	80 mm x 25 mm x 10 mm	55 x 55 x 42 mm	90mm x 100mm	65mm x 95mm	35x51 mm
Weight	21 g	~91 g		46 grams ?	
OS included	-	Ubuntu 10.04, Android 2.2			
Supported OS	Android Ubuntu	Linux kernel 2.6.x or later Android 2.2.x and later	Ubuntu, Fedora, Impactlinux, ..	Android, Angstrom, Ubuntu, ..	Android, Angstrom, Ubuntu, ..
Available for order today	No (Limited availability)	No (sold out for today)	Usually "No Longer Stocked"	Yes	Yes
Price	\$199 + shipping	\$135 + shipping	\$161 + shipping	€188 + shipping	€160.00



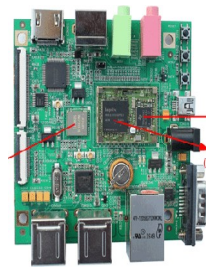
Name	IGEP COM Module	Gumstix Overo series	Origen Board	Nimbus	Stratus
SoC	DM3730 (optional OMAP3530)	AM3703, DM3730, OMAP3503, OMAP3530	Exynos4210	Marvel Kirkwood 6281	Marvel Kirkwood 6281
CPU	1GHZ ARM CORTEX A8 (720Mhz for OMAP3530)	ARM Cortex-A8 Up to 1GHz	1.2GHz Dual Core Cortex-A9	1.2 GHz	1.2 GHz
GPU	SGX 530 (200Mhz) (110Mhz for OMAP3530)		Mali400 MP4		
RAM	512 MBytes	512MB or 256MB	DDR3 1GB	512MB	512MB
Nand Flash	512 MBytes	0 - 512MB		512MB	512MB
Video outputs		Expansion Boards	mini HDMI, LCD		
Audio		Expansion Boards	Headphone, Line, min IN		
USB	1 x USB 2.0 OTG	Expansion Boards	USB Device, Host	USB 2.0 Host	2 USB 2.0 Host
Storage	MicroSD	microSD	2 Port SD/MMC		
Ethernet		Expansion Boards		Gigabit	Gigabit
Wireless	802.11b/g (86w8686B1) Bluetooth 2.0	some of Overo	WiFi/Bleetooth Combo		802.11 b/g Bluetooth 2.1 + EDR
Other ports	Expansion: USB, DDS, Camera, uart, SPI, McBSP, I2C, keypad ...	Expansion Boards	RS232, JTAG, camera		Optional: Zwave ZigBee (802.15.4)
Power					
Power source	USB Powered	5V	5V 2A	AC 100 - 240VAC, 13W	AC 100 - 240VAC, 18W
Size	18 x 68,5 mm	58mm x 17mm x 4.2mm	139mm x 116mm	83mm x 52mm x 43mm	103mm x 88mm x 46mm
Weight					
OS included				Debian	Debian
Supported OS	Android, Angstrom, Ubuntu, ..	Ubuntu, Android, ..	Android, Ubuntu, ..		
Available for order today	Yes	Yes	No (Sold out)	Yes	Yes
Price	€164.00	\$115 - \$229 + shipping	\$199 + Shipping	\$99 + Shipping	\$130 - \$148 + Shipping



Name	SheevaPlug dev kit (Basic)	GuruPlug Standard	GuruPlug Display	DreamPlug	D2Plug
SoC	Marvel Kirkwood 6281	Marvel Kirkwood 6281	Marvell ARMADA 168	Marvel Kirkwood 6281	Marvell PXA510
CPU	1.2 GHz ARM9E	1.2 GHz	800MHz	1.2 GHz	800MHz
GPU					
RAM	512 MB	512 MB	512MB	512MB	1GB
Nand Flash	512 MB	512 MB	-	4 GB on board micro-SD	
Video outputs	-	-	HDMI	-	HDMI, VGA
Audio	-	-	-	Optical out, mic, headphone	Line Out, mic, optical out
USB	USB 2.0	2x USB 2.0	4 x Host, 1 x OTG	2 x USB 2.0	2 x USB 2.0 Host, 1 Device
Storage	SDIO	MicroSD	MicroSD Slot (w/ 4GB card) Internal MicroSD card – 8GB	1 x eSATA 2.0, 1 x SD	SD, 1 x eSATAp Powered eSATA & USB combo
Ethernet	Gigabit	Gigabit	10/100 Mbps	2 x Gigabit	10/100/1000 Mbps
Wireless	-	Wi-Fi 802.11 b/g/n Bluetooth 3.0	-	WiFi 802.11 b/g/n Bluetooth 3.0	802.11 b/g/n Wi-Fi Bluetooth 3.0 + HS
Other ports	JTAG mini USB	JTAG, UART	Serial Port over USB	UART, JTAG	Console port (USB), JTAG
Power	2.3 W idle 7.0 W full load			under 5 watts	
Power source	100-240VAC, 5V/3.0A Max	100-240VAC, 5V/3.0A Max	100-240VAC, 5V/3.0A Max	5V3A	100-240VAC, 5V/3.0A Max
Size	110 x 69.5 x 48.5 mm	95mm x 65mm x 48.5 mm	110 x 69.5 x 48.5 mm	170 x 82 x 33mm	170mm X 82mm X 33mm
Weight					
OS included					
Supported OS	Ubuntu/Debian	Ubuntu/Debian	Ubuntu/Debian	Ubuntu/Debian	Ubuntu/Debian
Available for order today	globalscaletechnologies does not ship to Russia	globalscaletechnologies does not ship to Russia	globalscaletechnologies does not ship to Russia	globalscaletechnologies does not ship to Russia	globalscaletechnologies does not ship to Russia
Price	\$101.99 + Shipping	\$103 + Shipping	\$199 + Shipping	\$163 + Shipping	\$253 + Shipping



Name	Trim-Slice series	Snowball	i.MX53 Quick Start Board	Genesi Efika MX Smarttop	FriendlyARM Mini 210s
SoC	NVIDIA Tegra 2	STEricsson Nova A9500	Freescale i.MX535	Freescale i.MX515	Samsung S5PV210
CPU	1 GHz	1GHz Dual Cortex A9	1GHz	ARM Cortex-A8 800MHz	1 GHz Cortex-A8
GPU		Mali 400			PowerVR SGX540
RAM	1 GB DDR2-667	1GByte	1GB of DDR3	512MB	512 MB
Nand Flash	-	4 / 8GByte e-MMC		8GB	4GB
Video outputs	HDMI, optional DVI	HDMI, CVBS	VGA, LVDS, optional HDMI	HDMI	LCD: 41Pin, miniHDMI
Audio	S/PDIF 5.1, Stereo line-out, in	out, in	mic, headphone	headset, speaker	3.5mm out, mic in
USB	4 USB 2.0, Micro USB device	USB OTG	2 USB, 1 device	2x USB 2.0	host, OTG
Storage	SD, microSD, SATA. optional SSD or 2.5 HDD	Micro-SD	SD/MMC; microSD, SATA?	SDHC	TF
Ethernet	Gigabit	10/100Mbps	10/100	10/100Mbit/s	10/100M
Wireless	optional 802.11n optional Bluetooth 2.0	optional 802.11 b/g/n, Bluetooth 2.1+EDR, GPS		802.11 b/g/n WiFi	-
Other ports	optional video in JTAG, UART	Li-Ion Charger, RS232, JTAG, Expansion Connectors, A lot of sensors	JTAG, UART 3-axis Accelerometer		RS232, JTAG, CMOS camera, matrix keyboard, GPIO 30pin
Power	2-6W				
Power source	12V DC (8V-16V tolerant)	DC IN +5V	5V, 2A		5V
Size	130mm x 95mm x 15mm	85mm x 85mm	7,62mm x 7,62mm	160x115x20mm	110 x 110(mm)
Weight		54g		250 grams	
OS included				Ubuntu	
Supported OS	Android, Ubuntu, ..	Linaro (Ubuntu, Android)	Linaro (Ubuntu, Android)		Linux-2.6.35, Android 2.3, 4.0, WindowsCE 6.0
Available for order today	Does not ship to Russia	Yes?	Yes?	Discontinued	Yes
Price	\$213 - \$338 + Shipping	144.84 € - 322.57 € + shipping	\$149 + shipping	99.71 EUR + shipping	\$199.95 + shipping with 4.3"LCD



Name	Embvest DevKit8600	Embvest SBC8018	Embvest SBC8530	Embvest DevKit8500D DM3730	TechNexion Infernpack	TechNexion Thunderpack
SoC	TI's Sitara AM3359	TI AM1808	TI DM3730	TI DM3730	TI OMAP3530	TI OMAP3530
CPU	720MHz ARM Cortex-A8	375MHz ARM926EJ-S	1GHz ARM Cortex-A8	1GHz ARM Cortex-A8	600Mhz	600Mhz
GPU	SGX530				POWERVR SGX 530	POWERVR SGX 530
RAM	512MBytes	128MByte	512MByte	512MB	128 MB	256MB
Nand Flash	512MBytes	128MByte	512MByte	512MB	256 MB	512MB
Video outputs	TFT LCD, VGA via module	LCD/Touch Screen	HDMI, LCD, S-Video	DVI, LCD, S-Video	DVI, S-video	DVI, TTL LCD & touch
Audio	in, out	mic in, line out	in, out	in, out	in/out, 2W amplifier	in/out, 2W amplifier
USB	USB2.0 OTG, host	USB2.0 OTG, host	USB2.0 OTG, host	one OTG, 4 host	USB host, device	2 host, 1 device
Storage	TF card slot	TF card slot	TF card slot	TF card slot	SD	SD
Ethernet	10/100/1000Mbps	10/100Mbps	10/100Mbps	10/100Mbps	-	10/100 Mbps
Wireless	WiFi/Bluetooth Module		WiFi/Bluetooth Module	WiFi Module GPS Module, ..	-	Marvell 8686 802.11b/g
Other ports	Debug, serial, RS485, CAN, GPMC, JTAG, ADC, SPI, I2C, ..	2Camera, SPI, I2C, McBSP, UART, GPIO, ..	a lot	a lot	SPI, RS-232, UART, I2C, GPIO	battery interface, SPI, RS-232, UART, I2C, GPIO
Power		0.22A @ 5V	0.31A @ 5V		<2.0 Watt	<2.0 Watt
Power source	12V	5V	5V	5V	5VDC	5VDC
Size	130mm x 80mm	112.24 x 82.29mm	86mm x 86mm	136.2 x 105.3mm	52 x 74 mm	105 x 74 mm
Weight					25 + 10 grams	42 + 10 grams
OS included						
Supported OS	Linux 3.1.0, Android 2.3 and WinCE 7	Linux2.6.33 and WinCE 6.0	Linux2.6.32, Android 2.2 and WinCE 6.0	Linux2.6.32, Android 2.2 and WinCE 6.0.15	Linux 2.6.x, Windows CE 6.0 BSP or Android	Linux 2.6.x, Windows CE 6.0 BSP or Android
Available for order today	accept orders	yes	yes	yes	Yes	Yes
Price	\$189 + shipping	\$99 + shipping	\$199 + shipping	\$199 + shipping	\$130 with shipping	\$250 with shipping and 4.3" touchscreen LCD



Name	VIA ARTiGO A1200 Fanless	VIA ARTiGO A1150	DMP - eBox 3350MX	DMP - eBox 3310MX-AP
SoC	Chipset VIA VX900	Chipset VIA VX900H		
CPU	1.0GHz x86 VIA Eden X2 L2 Cache 2MB	1.0GHz VIA Eden X2	1Ghz Vortex86MX (i586, no CMOV)	933MHz Vortex86MX+
GPU	VIA Chrome 9	VIA Chrome 9		
RAM	Up to 4GB DDR3	Up to 4GB DDR3	512MB	1GB DDR2
Nand Flash	-	-	-	-
Video outputs	D-Sub, HDMI	D-Sub, HDMI	VGA (D-Sub)	VGA (D-Sub)
Audio	VIA VT2021 Line-out & Mic-in	Line-out, Line-in, Mic-in	Mic In, and Line Out	Mic In, and Line Out
USB	4 x USB 2.0, optional USB 3.0	4USB, 1USB client port	3x USB 2.0 ports	3 x USB V2.0
Storage	Built-in 2.5" SATA Built-in CFast socket	2.5" SATA, optional SD	SD, SDHC	2.5" SATA HDD SD, SDHC
Ethernet	dual VIA VT6130 Gigabit	VIA VT6130G Gigabit	10/100 Mbps	10/100 Mps
Wireless	optional through mini-PCie			
Other ports	2 x RS-232, mini-PCie			PS/2, 3 x RS-232
Power	<27.51W	<22.97W	<10W	<10W
Power source	DC 12V	DC 12V	5V@2A	8V ~15V
Size	234 mm x 30 mm x 124 mm	146 mm x 52 mm x 99 mm	95 x 95 x 20 mm	115 x 115 x 35 mm
Weight	1.2 kg	0.6 kg	277g	500g
OS included			Linux, Windows XP	Linux, Windows XP
Supported OS	"ordinary" X86 OS	"ordinary" X86 OS	i586 compatible OS	i586 compatible OS
Available for order today			Yes	Yes
Price	\$310 + shipping	\$265 + shipping	£73.70 + shipping	£139.50 + shipping

Rumor: Cortex A8@1.2Ghz is 8 time faster than ARM11@700MHz

Note: Panda, IGEP, Gumstix has a lot of periphery via expansion boards

Embest's Single Board Computer: SBC9261-I, SBC6000X, SBC6300X, SBC6020, SBC6045, SBC6245, SBC6345, SBC6845, SBC2416-I, SBC2440-III, SBC2410-III, SBC2100, SBC8530, SBC8018, SBC8100, SBC8100 Plus, SOC8200

Embest's Evaluation Boards: DevKit8600, DevKit8500D, DevKit8000, DevKit7000, DevKit3250, DevKit1207, S3CEV40, STDV710C, STDV711F, STDV730F, STDV750F, ATEBSAM7S, ATEB40x

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