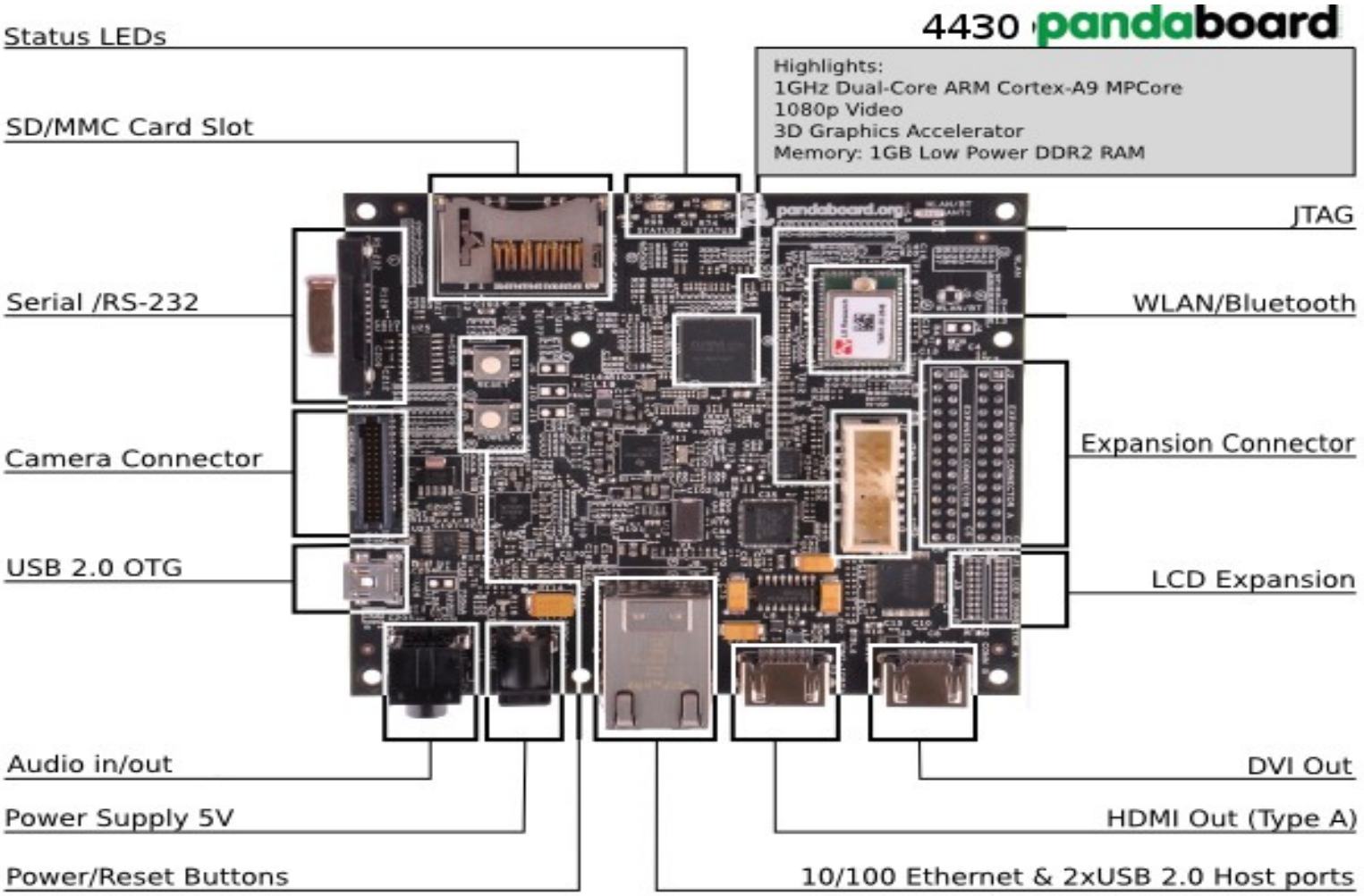
Development board PCBs & Features

#1 Pandaboard US$174 (PandaBoard); US$182 (PandaBoard ES)



#2 Wandaboard $79

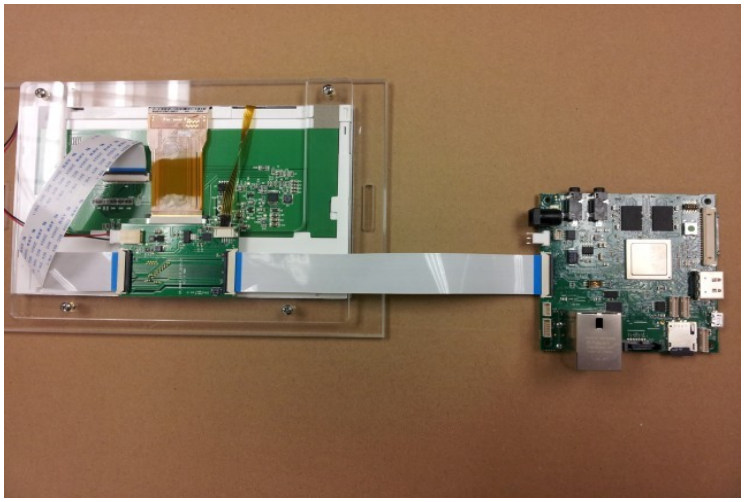
	Wandboard Solo	Wandboard Dual	Wandboard Quad
Processor	Freescale i.MX6 Solo	Freescale i.MX6 Duallite	Freescale i.MX6 Quad
Cores	Cortex-A9 Single core	Cortex-A9 Dual core	Cortex-A9 Quad core
Graphic engine	Vivante GC 880 + Vivante GC 320	Vivante GC 880 + Vivante GC 320	Vivante GC 2000 + Vivante GC 355 + Vivante GC 320
Memory	512 MB DDR3	1GB DDR3	2GB DDR3
Audio	✓	✓	✓
Optical S/PDIF	✓	✓	✓
HDMI	✓	✓	✓
Camera interface	✓	✓	✓
Micro-SD slot	2	2	2
Serial port	✓	✓	✓
Expansion Header	✓	✓	✓
USB	✓	✓	✓
USB OTG	✓	✓	✓
SATA	NO	NO	✓
Gigabit LAN	✓	✓	✓
WiFi (802.11n)		✓	✓
Bluetooth		✓	✓
	79 USD	99 USD	129 USD

#3 Cubox $135

CuBox-i family comparison table

	CuBox-i1	CuBox-i2	CuBox-i2eX	CuBox-i2ultra [1]	CuBox-i4pro
Chipset	Solo	Dual Light	Dual	Dual	Quad
Core Count	1 @ 1GHz	2 @ 1GHz	2 @ 1GHz	2 @ 1GHz	4 @ 1GHz
Memory Size	512MByte DDR3	1GByte DDR3	1GByte DDR3	1GByte DDR3	2GByte DDR3
Memory Config	32bit @ 800Mbps	64bit @ 800Mbps	64bit @ 1066Mbps	64bit @ 1066Mbps	64bit @ 1066Mbps
3D GPU	GC880	GC880	GC2000	GC2000	GC2000
3D GPU Type	ES 1.1/2.0	ES 1.1/2.0	ES 1.1/2.0, OpenCL 1.1E	ES 1.1/2.0, OpenCL 1.1E	ES 1.1/2.0, OpenCL 1.1E
HW Video Dec/Enc	Multiformat	Multiformat	Multiformat	Multiformat	Multiformat
HDMI 1080p	1.4, 3D and CEC support	1.4, 3D and CEC support	1.4, 3D and CEC support	1.4, 3D and CEC support	1.4, 3D and CEC support
Ethernet	10/100 Mbps	10/100 Mbps	10/100/1000 Mbps [2]	10/100/1000 Mbps [2]	10/100/1000 Mbps [2]
WiFi 11b/g/n/BlueTooth 2.1	Optional	Optional	Optional	v	v
Micro SD Interface	v	v	v	v	v
eSata II 3Gbps [3]			v	v	v
RTC With Backup Battery			v	v	v
Optical S/PDIF Audio Out	v	v	v	v	v
Micro USB to RS-232			v	v	v
USB Host	2x USB 2.0	2x USB 2.0	2x USB 2.0	2x USB 2.0	2x USB 2.0
InfraRed for Remote Control	38KHz Receiver	38KHz Receiver	38KHz Receiver & Transmitter	38KHz Receiver & Transmitter	38KHz Receiver & Transmitter

#4 Sabrelite $199



- Quad-Core ARM® Cortex A9 processor at 1GHz
- 1GByte of 64-bit wide DDR3 @ 532MHz
- Three display ports (RGB, LVDS, and HDMI 1.4a)
- Two camera ports (1xParallel, 1x MIPI CSI-2) Multi-stream-capable HD video
- H.264 1080p60 decode, 1080p30 encode and 3-D video playback in HDn
- Serial ATA 2.5 (SATA) at 3Gbps
- Dual SD 3.0/SDXC card slots PCIe port (1 lane)
- Analog (headphone/mic) and Digital (HDMI) audio
- 10/100/Gb Ethernet , 10-pin JTAG interface
- 3 High speed USB ports (2xHost, 1xOTG), 1xCAN2 port I2C GPIOs

All boards support Touch screen expect for Cubox.

Here are some useful links

http://pandaboard.org/
http://www.wandboard.org/
boundarydevices.com/products/sabre-lite-imx6-sbc/
http://www.solid-run.com/wiki/CuBox-i_Hardware