

Comparison of 122 Open Spec, Hack

Click on the product names to get more product information. In most cases th

Product	Price (\$)	Vendor	Processor	Cores
A20-OLinuXino-Lime2	51 or 63	Olimex	Allwinner A20	2x A7 @ 1GHz
A20-OLinuXino-Micro	63 or 74	Olimex	Allwinner A20	2x A7 @ 1GHz
A33-OLinuXino	41 or 50	Olimex	Allwinner A33	4x A7 @ 1.2GHz
A64-OLinuXino	46 to 86	Olimex	Allwinner A64	4x A53 @ 1.2GHz
Arduino Yun Rev 2	59	Arduino	Qualcomm Atheros AR9331	1x MIPS @ 400MHz
Banana Pi BPI-M2 Berry	36	SinoVoip	Allwinner V40	4x A7
Banana Pi BPI-M2 Magic	28	SinoVoip	Allwinner A33	4x A7
Banana Pi BPI-M2 Ultra	56	SinoVoip	Allwinner R40	4x A7
Banana Pi BPI-M2 Zero	23	SinoVoip	Allwinner H2+	4x A7 @ 1.2GHz
Banana Pi BPI-M3	99	SinoVoip	Allwinner A83T	8x A7 @ 2GHz
Banana Pi BPI-M64	68	SinoVoip	Allwinner A64	4x A53 @ 1.2GHz

Banana Pi BPI-R2	90	SinoVoip	MediaTek MT7623N	4x A7 @ 1.3GHz
Banana Pi BPI-W2	93	SinoVoip	Realtek RTD1296	4x A53 @ 1.5GHz
BeagleBone Black	55	BeagleBoard.org	TI Sitara AM3358	1x A8 @ 1GHz
BeagleBone Black Wireless	69	BeagleBoard.org; Octavo	TI Sitara AM3358	1x A8 @ 1GHz
BeagleBone Blue	80	BeagleBoard.org	TI Sitara AM3358	1x A8 @ 1GHz
BeagleBone Green	44	SeeedStudio	TI Sitara AM3358	1x A8 @ 1GHz
BeagleBone Green Wireless	53	SeeedStudio	TI Sitara AM3358	1x A8 @ 1GHz
Bubblgum-96	89	uCRobotics	Actions S900	4x A53 @ 1.8GHz
C-Sky Dev Board	6	Hangzhou C-SKY	Nationalchip GX6605S CK610M	1x C-SKY @ 574MHz
Chameleon96	145	Novtech, Arrow	Intel Cyclone V SE SoC	2x A9 + FPGA
CloudBit Starter Kit	65	LittleBits	Freescale i.MX233	1x ARM9 @ 454MHz
CubieAIO-S700	139	Cubieboard.org	Actions S700	4x A53
Cubieboard4	130	Cubieboard.org	Allwinner A80	4x A15 @ 2GHz + 4x A7 @ 1.3GHz
Cubieboard5	105	Cubieboard.org	Allwinner H8	8x A7 @ 2GHz
CubieBoard6/7	89 or 99	Cubieboard.org	Actions S500 / Actions S700	4x A9 / 4x A53

DE0-Nano-SoC Dev Kit	99	Terasic, RocketBoards.org	Cyclone V SE	2x A9 @ 952MHz + FPGA
DragonBoard 410c	75	Arrow, Qualcomm	Qualcomm Snapdragon 410	4x A53 @ 1.2GHz
DragonBoard 820c	199	Arrow, Qualcomm	Snapdragon 820E	4x Kryo (2x 2.36GHz, 2x 1.6GHz)
Firefly-PX3-SE	60	Firefly	Rockchip PX3-SE	4x A7 @ 1.3GHz
Firefly-RK3128	60	Firefly	Rockchip RK3128	4x A7 @ 1.3GHz
Firefly-RK3288	119 or 189	Firefly	Rockchip RK3288	4x A17 @ 1.8GHz
Firefly-RK3288 Reload	159	Firefly	Rockchip RK3288	4x A17 @ 1.8GHz
Firefly-RK3399	149 to 259	Firefly	Rockchip RK3399	2x A72 @ 2GHz, 4x A53 @ 1.43GHz
Firefly-ROC-RK3328-CC	35 to 80	Firefly, Libre	Rockchip RK3328	4x A53
HummingBoard CBI	189 or 255	SolidRun	NXP i.MX6	2x or 4x A9 @ up to 1.2GHz
HummingBoard Edge	112 to 255	SolidRun	NXP i.MX6	1x/2x/4x A9 @ up to 1.2GHz
HummingBoard Gate	97 to 247	SolidRun	NXP i.MX6	1x/2x/4x A9 @ up to 1.2GHz
HummingBoard-Pro	97 to 177	SolidRun	NXP i.MX6	1x/2x/4x A9 @ up to 1.2GHz
HummingBoard-Pulse	182 to 253	SolidRun	NXP i.MX8M Dual or Quad	2x/4x -A53 at up to 1.5GHz
Khadas Edge / Edge-V / Edge-1S	99 to 299	Khadas	Rockchip RK3399 or RK3399Pro (1S)	2x A72 @ 2GHz, 4x A53 @ 1.5GHz

Khadas Vim1	55 or 70	Khadas	Amlogic S905X	4x A53
Khadas Vim2	120	Khadas	Amlogic S912	8x A53 @ 1.5GHz
La Frite	10 or 15	Libre Computer	Amlogic S805X	4x A53 @ 1.2GHz
LeMaker Guitar	69	LeMaker	Actions S500	4x A9 @ 1.6GHz
Le Potato	35 or 45	Libre Computer	Amlogic S905X	4x A53
Lindenis V5	73	Lindenis Tech	Allwinner V5 V100	4x A7 @ 1.5GHz
LinkIt Smart 7688	15 or 18	SeeedStudio, MediaTek	MediaTek MT7688AN	1x MIPS @ 580MHz
LinkSprite Acadia V3	119	LinkSprite	NXP i.MX6 Quad	4x A9 @ 1.2GHz
LinkSprite Arches	95	LinkSprite	Allwinner A80	4x A15 @ 2GHz + 4x A7 @ 1.3GHz
MediaTek X20 Dev Board	199	ArcherMind, MediaTek	MediaTek Helio X20	2x A72 @ 2.5GHz + 4x A53 @ 1.95GHz + 4x A53 @ 1.4GHz
MinnowBoard Turbot Dual-Core / Dual-Ethernet Dual-Core	197 or 171	Silicom, Minnowboard.org	Intel Atom E3826	2x x86 @ 1.46GHz
MinnowBoard Turbot Quad-Core / Dual-Ethernet Quad-Core	190 or 196	Silicom, Minnowboard.org	Intel Atom E3826 or E3845	2x or 4x x86 @ 1.46GHz or 1.91GHz
MYS-6ULX SBC	29 or 32	MYIR	NXP i.MX6 ULL or i.MX6 UL	1x Cortex-A7 @ 528MHz or 696MHz,
Nano PC-T3 Plus	75	FriendlyARM	Samsung S5P6818	8x A53 @ 1.4GHz
NanoPC-T4	110	FriendlyARM	Rockchip RK3399	2x A72 @ 2GHz, 4x A53 @ 1.5GHz

NanoPi A64	20	FriendlyARM	Allwinner A64	4x A53 @ 1.2GHz)
NanoPi Duo / Duo2	13 or 20	FriendlyARM	Allwinner H2+ or H3	4x A7 @ 1.2GHz
NanoPi K1 Plus	35	FriendlyARM	Allwinner H5	4x A53 @ 1.4GHz
NanoPi M1 Plus	38	FriendlyARM	Allwinner H3	4x A7 @ 1.2GHz
NanoPi M4	65 or 95	FriendlyARM	Rockchip RK3399	2x A72 @ 2GHz, 4x A53 @ 1.5GHz
Nano Pi Fire3-LTS	35	FriendlyARM	Samsung S5P6818	8x A53 @ 1.4GHz
NanoPi Neo	13 or 15	FriendlyARM	Allwinner H3	4x A7 @ 1.2GHz
NanoPi Neo2-LTS	20 or 30	FriendlyARM	Allwinner H5	4x A53 @ 1.2GHz
NanoPi Neo4	45	FriendlyARM	Rockchip RK3399	2x A72 @ 2GHz, 4x A53 @ 1.5GHz
NanoPi Neo Air	28 or 39	FriendlyARM	Allwinner H3	4x A7 @ 1.2GHz
NanoPi Neo Plus2	33 or 42	FriendlyARM	Allwinner H5	4x A53 @ 1.5GHz
Odroid-C0	30	Hardkernel	Amlogic S805	4x A5 @ 1.5GHz
Odroid-C1+	35	Hardkernel	Amlogic S805	4x A5 @ 1.5GHz
Odroid-C2	46	Hardkernel	Amlogic S905	4x A53 @ 1.5GHz
Odroid-H2	160 and up	Hardkernel	Intel Celeron J4195	4x Gemini Lake @ 2.3GHz

Odroid-XU4 / -XU4Q	49	Hardkernel	Samsung Exynos5422	4x A15 @ 2GHz + 4x A7 @1.4GHz
Omega2 Pro	49	Onion	MediaTek MT7688AN	1x MIPS @ 580MHz
Orange Pi 2G-IOT	13	Shenzhen Xunlong	RDA RDA8810PL	1x A5
Orange Pi 3G-IOT	20 or 25	Shenzhen Xunlong	MediaTek MT6572	2x A7 @ 1.2GHz
Orange Pi 4G-IOT	45	Shenzhen Xunlong	MediaTek MT6737	4x A53
Orange Pi i96	9	Shenzhen Xunlong	RDA RDA8810PL	1x A5
Orange Pi Lite	12	Shenzhen Xunlong	Allwinner H3	4x A7 @ 1.2GHz
Orange Pi Lite2	25	Shenzhen Xunlong	Allwinner H6	4x A53
Orange Pi One Plus	20	Shenzhen Xunlong	Allwinner H6	4x A53
Orange Pi PC / PC Plus	15 or 24	Shenzhen Xunlong	Allwinner H3	4x A7 @ 1.6GHz
Orange Pi PC 2	20	Shenzhen Xunlong	Allwinner H5	4x A53
Orange Pi 99:99lus2E	42	Shenzhen Xunlong	Allwinner H3	4x A7 @ 1.6GHz)
Orange Pi Prime	36	Shenzhen Xunlong	Allwinner H5	4x A53
Orange Pi R1	14	Shenzhen Xunlong	Allwinner H2+	4x A7 @ 1.2GHz
Orange Pi RK3399	109	Shenzhen Xunlong	Rockchip RK3399	2x A72 @ 2GHz, 4x A53 @ 1.5GHz

Orange Pi Win Plus	37	Shenzhen Xunlong	Allwinner A64	4x A53
Orange Pi Zero H2+, Plus2 Zero H3, Plus2 Zero H5	9, 23, 24	Shenzhen Xunlong	Alwinner H2+, H3 or H5	4x A7 (H2+/H3) or 4x A53
OSD3358-SM-RED	199	Octavo Systems	TI Sitara AM3358	1x A8 @ 1GHz
Parallella	127 or 159	Adapteva	Zilinx Zynq-7020/7010	2x A7 @ 667MHz + FPGA
Pepper 43R / 43C	169	Gumstix	TI AM3354	1x A8 @ 800MHz
Pepper DVI-D	119	Gumstix	TI AM3354	1x A8 @ 800MHz
PICO-PI-IMX7	99	Wandboard.org	NXP i.MX7	2x A7 @ 1GHz
PICO-PI-IMX8M	139 to 299	Wandboard.org	NXP i.MX8M Quad	4x A53 @ 1.3GHz
Pine A64 / A64-LTS	15 to 32	Pine64	Allwinner A64 (R18 on A64-LTS)	4x A53 @ 1.2GHz
PocketBeagle	24	BeagleBoard.org	TI Sitara AM3358	1x A8 @ 1GHz
Raspberry Pi Zero	5 to 25	Rpi Trading	Broadcom BCM2835	1x A8 @ 1GHz
Raspberry Pi Zero W / Zero WH	10 to 29	Rpi Trading	Broadcom BCM2835	1x A8 @ 1GHz
Raspberry Pi 3 Model A+	25	Rpi Trading	Broadcom BCM2837B0	4x A53 @ 1.4GHz
Raspberry Pi 3 Model B	35	Rpi Trading	Broadcom BCM42837	4x A53 @ 1.2GHz
Raspberry Pi 3 Model B+	35	Rpi Trading	Broadcom BCM2837B0	4x A53 @ 1.4GHz

Renegade Elite (ROC-RK3399-PC)	100	Libre Computer	Rockchip RK3399	2x A72 @ 2GHz, 4x A53 @ 1.5GHz
ReSpeaker Core v.2.0	99	Seeed	Rockchip RK3229	4x A7 @ 1.5GHz
Rico Board	99	MYIR	TI AM437x	1x A9 @ 1GHz
Rock64	25 to 45	Pine64	Rockchip RK3328	4x A53 @ 1.5GHz
RockPro64	60 or 80	Pine64	Rockchip RK3399	2x A72 @ 1.8GHz, 4x A53 @ 1.4GHz
Rock960	99 or 139	Vamrs	Rockchip RK3399	2x A72 @ 1.8GHz, 4x A53 @ 1.43GHz
SAMA5D4 Xplained	149	Newark, Atmel	Atmel SAMA5D4	1x A5 @ 528MHz
Seeeduino Cloud	70	SeeedStudio	Qualcomm AR9331	1x MIPS @ 400MHz
Sophon BM1880 EDB	129	Bitmain	Sophon BM1880	2x A53 @ 1.5GHz plus BM1880 TCU
Tinker Board S	85	Asus	Rockchip RK3288	4x A17 @ 1.8GHz
Tritium (E114ALL-H3-CC)	25 to 40	Libre Computer	Allwinner H2+, H3, or H5	4x A7 or A53
Udoo Neo	50 to 65	Udoo (Seco)	NXP i.MX6 SoloX	1x A9 @ 1GHz)
Udoo Quad/Dual/Dual Basic	99 to 135	Udoo (Seco)	NXP i.MX6 Dual/Quad	2x/4x A9 @ 1GHz
Udoo X86	174 or 267	Udoo (Seco)	Celeron N3160	4x Braswell @ 2.24GHz
UP board	99 to 209	Aaeon	Intel Atom x5-Z8350	4x Cherry Trail @ 1.44GHz/1.92GHz

UP Core	99 to 169	Aaeon	Intel Atom x5-Z8350	4x Cherry Trail @ 1.44GHz/1.92GHz
Up Core Plus	149 to 329	Aaeon	Intel Atom x5-E3930/E3940, x7-E3950	4x Apollo Lake @ 1.3GHz to 2.0GHz
UP Squared	149 to 339	Aaeon	Intel Celeron N3350	2x Apollo Lake @ 1.1GHz/2.4GHz
Wandboard	89 to 149	Wandboard.org	NXP i.MX6	1x, 2x, or 4x A9 @1GHz
Z-turn Board	99 to 119	MYIR	Xilinx Zynq-7010/7020	2x ARM @ 667MHz + FPGA
Z-turn Lite	69 or 75	MYIR	Xilinx Zynq-7007S/7010	2x ARM @ 667MHz + FPGA

NOTES

Price:	Based on lowest prices found at publication date, rounded to US dollar, with ranges indicating different outlets.
Vendor:	Primary vendor and, if promoted by vendor, a separate manufacturer. May not include all entities involved.
Processor/Cores:	Clock rates may be max. limits. References to A7, A9, A53 (64-bit) etc. refer to ARM Cortex SoCs.
3D GPU:	Only listed if GPU has 3D acceleration.
MCU:	Only listed if user-accessible; may not include minor MCU coprocessors.
RAM:	First figure is default configuration matched with price.
Storage:	This column only shows on-board storage. It does not include microSD slot, which is available on all tablets.
LAN:	Refers to Ethernet; "Fast" = 10/100Mbps; "GbE" = 10/100/1000Mbps.
Wireless:	Lists only WiFi and Bluetooth, although some have others (see brief descriptions in our survey article).
HDMI or DP-out:	Refers to real-world, coastline DDI, HDMI and/or DisplayPort; others may also be present (e.g. LVDS).
USB ports:	Refers to coastline, real-world ports only. Includes micro- and mini-USB, including power-only models.
Expansion:	Lists support for major expansion interfaces such as mini-PCIe, Arduino, Pi 40 (40-pin Raspberry Pi connector), etc. Differentiated from "headers," referring to individual interfaces.
OSes:	Linux-based OSes preloaded on device, available for download, or available from linked 3rd party site.

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Developer Friendly Single Board Computers -- January 2019

These links go to LinuxGizmos.com articles with detailed product descriptions plus market analysis.

3D GPU	MCU	RAM	Storage	LAN	Wireless	HDMI or DP-out	USB ports	Expansion
Mali-400	no	1GB	Opt. 4GB eMMC; SATA	Fast	no	yes	3	other
Mali-400	no	1GB	opt. 4GB NAND	Fast	no	yes	3	other
Mali-400	no	1GB	opt. 4GB NAND	no	no	no	1	dual 40-pin
Mali-400 MP2	no	1GB	4GB (opt. 16GB eMMC)	GbE	WiFi, BT	yes	1	40-pin custom
no	Atmega32U4	64MB	16MB	Fast	WiFi	no	2	Arduino
Mali-400 MP2	no	1GB	SATA	GbE	WiFi, BT	yes	4	Pi 40
Mali-400 MP2	no	512MB	8GB eMMC (opt. up to 64GB)	no	Wifi, BT	no	2	Pi 40
Mali-400 MP2	no	2GB	8GB to 64GB eMMC; SATA	GbE	WiFi, BT	yes	4	Pi 40
Mali-400 MP2	no	512MB	no	no	WiFi, BT	yes	1	Pi 40
PowerVR SGX544 MP1	no	2GB	8GB eMMC, SATA	GbE	WiFi, BT	yes	3	Pi 40
Mali-450 MP2	no	2GB	8GB to 64GB eMMC	GbE	WiFi, BT	yes	4	Pi 40

Mali-450 MP4	no	2GB	8GB eMMC	4x GbE + WAN	Wifi, BT	yes	3	Pi 40
Mali-T820 MP3	no	2GB	8GB to 64GB eMMC	2x GbE	no	yes	4	Pi 40, 3x M.2
PowerVR SGX530	PRU	512MB	4GB eMMC	Fast	no	yes	2	Bbone
SGX530	PRU	512MB	4GB eMMC	no	WiFi, BT	yes	2	Bbone
PowerVR SGX530	PRU	512MB	4GB eMMC	no	WiFi, BT, GPS, DSM	no	2	Bbone
PowerVR SGX530	PRU	512MB	4GB eMMC	Fast	no	no	2	Bbone, Grove
PowerVR SGX530	PRU	512MB	4GB eMMC	Fast	WiFi, BT	no	5	Bbone, Grove
PowerVR G6230	no	2GB	8GB eMMC	no	WiFi, BT	yes	3	96Boards
no	no	64MB	no	no	no	yes	4	no
Intel Video Suite for FPGA	no	512MB	no	no	WiFi, BT	yes	3	96Boards
no	no	64MB	4GB microSD	no	WiFi	no	0	LittleBits
Mali-450 MP4	no	2GB	8GB eMMC, SATA	GbE	WiFi, BT	yes	7	other
PowerVR G6230	no	2GB	8GB eMMC	GbE	WiFi, BT	yes	5	other
PowerVR SGX544MP1	no	2GB	SATA	GbE	WiFi, BT	yes	3	other
PowerVR SGX544 / Mali-450 MP4	no	2GB	8GB eMMC, SATA	Fast	WiFi, BT	yes	3	other

no	no	1GB	no	GbE	no	no	2	Arduino
Adreno 306	no	1GB	8GB eMMC	no	WiFi, BT	yes	3	86Boards
Adreno 530	no	3GB	32GB UFS	GbE	WiFi/BT, GPS	yes	3	96Boards
Mali-400 MP2	no	1GB	8GB eMMC	GbE	WiFi, BT	yes	5	other
Mali-400 MP2	no	1GB	8GB NAND	GbE	WiFi, BT	yes	5	other
Mali-T760	no	2GB (4GB on Plus)	16GB to 32GB eMMC (32GB on Plus)	GbE	WiFi, BT	yes	3	other
Mali-T760	no	2GB	16GB eMMC, SATA	GbE	WiFi, BT	yes	4	other
Mali-T860	no	2GB to 4GB	16GB to 128GB eMMC	GbE	WiFi, BT	yes	4	other
Mali-400 MP2	no	1GB to 4GB	opt. eMMC	GbE	no	yes	4	Pi 40
Vivante GC355	no	1GB or 2GB	8GB eMMC, M2	GbE	WiFi/BT, GPS	no	4	Mini-PCIe, M.2
Vivante GC355	no	512MB to 2GB	8GB eMMC, mSATA, M.2	GbE	opt.	yes	4	Mini-PCIe
Vivante GC355	no	512MB to 4GB	8GB eMMC	GbE	opt.	yes	4	Mini-PCIe, MikroBus
Vivante GC355	no	512MB to 2GB	8GB eMMC; mSATA	GbE	opt.	yes	2	Mini-PCIe
Vivante GC7000 Lite	Cortex-M4	2GB to 4GB	8GB eMMC; M.2	2x GbE	opt.	yes	3	Mini-PCIe, M.2
Mali-T860	yes	2GB or 4GB	16GB to 128GB eMMC	GbE (V and 1S)	WiFi, BT	yes	4	MXM with FPC or Pi 40

Mali-450 MP	no	2GB	8GB or 16GB eMMC	Fast	WiFi, BT	yes	3	40-pin custom
Mali-T820 MP3	yes	3GB	32GB	GbE	WiFi,BT	yes	3	40-pin custom
Mali-450	no	512MB or 1GB	opt. 8GB eMMC	Fast	no	yes	3	Pi 40
PowerVR SGX544	no	1GB or 2GB	8GB eMMC	Fast	WiFi, BT	yes	3	Pi 40
Mali-450 MP2	no	1GB or 2GB	opt. 8GB to 64GB eMMC	Fast	no	yes	5	Pi 40
no	no	1GB	opt. 8GB eMMC	GbE	opt. WiFi, BT	yes	5	Pi 40
no	opt. ATmega32U4	128MB	32MB	no	WiFi	no	2	opt. Arduino and Grove
Vivante GC355	no	1GB	SATA	GbE	no	yes	3	Arduino
PowerVR G6230	no	2GB	8GB eMMC	GbE	WiFi, BT	yes	3	other
Mali-T880	no	2GB	8GB eMMC	no	WiFi, BT	yes	3	96Boards
Intel HD Graphics	no	2GB	SATA	GbE opt 2x	opt.	yes	2	other
Intel HD Graphics	no	2GB	SATA	GbE opt 2x	opt.	yes	2	other
no	no	256MB	256MB NAND	Fast	WiFi	no	2	other
Mali-400 MP	no	2GB	16GB eMMC	GbE	WiFi, BT	yes	4	other
Mali-T864	no	4GB	16GB eMMC	GbE	WiFi, BT	yes	4	M.2, Pi 40

Mali-400 MP2	no	1GB	no	GbE	no	yes	2	Pi 40
Mali-400 MP2	no	256MB or 512MB	no	no	WiFi, BT	no	1	other
Mali-450	no	2GB	opt. eMMC	GbE	WiFi	yes	4	Pi 40
Mali-400 MP2	no	1GB	8GB eMMC	GbE	WiFi, BT	yes	3	Pi 40
Mali-T864	no	2GB or 4GB	opt. eMMC	GbE	WiFi, BT	yes	5	Pi 40 and other
"3D GPU"	no	1GB	no	GbE	no	yes	2	Pi 40
Mali-400	no	256MB or 512MB	no	Fast	no	no	2	other
Mali-450	no	512MB or 1GB	no	GbE	no	no	2	other
Mali-T628	no	1GB	opt. eMMC	GbE	WiFi, BT	yes	3	Pi 40
Mali-400 MP2	no	512MB	8GB or 32GB eMMC	no	WiFi, BT	no	1	other
Mali-450 MP2	no	512MB or 1GB	8GB eMMC	GbE	WiFi, BT	no	2	other
Mali-450	no	1GB	opt. EMMC	no	no	yes	5	Pi 40
Mali-450	no	1GB	Opt. EMMC	GbE	no	yes	5	Pi 40
Mali-450 MP2	no	2GB	Opt. EMMC	GbE	no	yes	5	Pi 40
Intel UHD Graphics 600	no	4GB and up	8GB eMMC and up; M.2, SATA	2x GbE	no	yes	4	M.2, other

Mali-T628 MP6	no	2GB	opt. SATA	GbE	opt.	yes	3	other
no	no	512MB	8GB flash	opt.	WiFi	no	2	other
Vivante GC860	no	256MB	500MB NAND	no	WiFi, BT	no	2	Pi 40
Mali-400 MP1	no	256MB or 512MB	512MB or 4GB eMMC	no	WiFi, BT, 3G, GPS, FM	no	2	Pi 40
Mali-T720 MP1 GPU	no	1GB	8GB eMMC	no	WiFi, BT, 4G	yes	4	Pi 40
Vivante GC860	no	256MB	500MB NAND	no	WiFi, BT	no	2	40-pin custom
Mali-400 MP2	no	512MB	no	no	WiFi	yes	3	Pi 40
Mali-T720 MP2	no	1GB	no	no	WiFi, BT	yes	3	Pi 40
Mali-T720 MP2	no	1GB	no	GbE	no	yes	2	Pi 26
Mali-400 MP2	no	1GB	8GB eMMC (PC Plus only)	Fast	no	yes	4	Pi 40
Mali-450 MP2	no	1GB	no	GbE	no	yes	4	Pi 40
Mali-400 MP2	no	2GB	8GB eMMC	GbE	WiFi	yes	4	Pi 40
Mali-450 MP2	no	2GB	no	GbE	WiFi, BT	yes	4	Pi 40
Mali-400 MP2	no	256MB	no	2x Fast	WiFi	no	1	Pi 26
Mali-T628	no	2GB	16GB eMMC; mSATA sockets	GbE	WiFi, BT	yes	5	Pi 40, mini-PCIe

Mali-400 MP2	no	2GB	Opt. eMMC	GbE	WiFi, BT	yes	5	Pi 40
Mali-400 MP2 or Mali-450 MP2	no	256MB/512MB (H2+) or 512MB	8GB eMMC (H3/H5)	Fast (H2+ only)	WiFi (BT on H3/H5 only)	yes (H3/H5 only)	(H3/H5) or 2 (H2+)	Pi 26
PowerVR SGX530	PRU	512MB	16GB eMMC	GbE	no	yes	5	Bbone
no	no	1GB	no	GbE	no	yes	2	other
PowerVR SGX530	no	512MB	no	GbE	WiFi, BT	no	4	Other
PowerVR SGX530	no	512MB	no	GbE	no	yes	4	Other
no	Cortex-M4	512MB	4GB eMMC	Fast	WiFi, BT	no	2	RPi 40
Vivante GC7000Lite	Cortex-M4	1GB to 4GB	8GB or 16GB eMMC	GbE	WiFi, BT	yes	3	Rpi 40
Mali-400 MP2	no	512MB to 2GB	opt. eMMC on A64-LTS	Fast or GbE	no	yes	3	Pi 40
PowerVR SGX530	PRU	512MB	no	no	no	no	1	other
VideoCore IV	no	512MB	no	no	no	yes	2	Pi 40
VideoCore IV	no	512MB	no	no	WiFi, BT	yes	2	Pi 40
VideoCore IV	no	512MB	no	no	WiFi, BT	yes	2	Pi 40
VideoCore IV	no	1GB	no	Fast	WiFi, BT	yes	5	Pi 40
VideoCore IV	no	1GB	no	GbE	WiFi/BT	yes	5	Pi 40

Mali-T864	no	4GB	opt. eMMC to 128GB	GbE w/PoE	no	yes	5	other
Mali-400MP	no	1GB	4GB eMMC	Fast	WiFi, BT	yes	4	Grove
PowerVR SGX530	no	512MB (or 256MB or 1GB)	4GB eMMC	GbE	no	yes	2	other
Mali-450 MP2	no	1GB to 4GB	empty eMMC	GbE	no	yes	3	Pi 40
Mali-T864	no	2GB or 4GB	empty eMMC	GbE	opt. WiFi/BT	yes	4	PCIe x4, Pi 40
Mali-T864	no	2GB or 4GB	16GB or 32GB eMMC; opt. M.2	no	WiFi, BT	yes	3	96Boards; opt. M.2
no	no	512MB	512MB NAND	Fast	no	yes	3	Arduino
no	ATmega32u4	64MB	64MB NAND	Fast	WiFi	no	2	Arduino, Grove
no	750MHz RISC-V	1GB	8GB eMMC	GbE	WiFi, BT	no	4	96Boards
Mali-T760 GPU	no	2GB	16GB eMMC	GbE	WiFi, BT	yes	5	Pi 40
Mali-400 MP2 or Mali 450 MP4	no	512MB, 1GB, or 2GB	no	Fast	no	yes	5	Pi 40
Vivante GC355	Cortex-M4	512MB or 1GB	no	Fast	opt.	yes	2	Arduino
Vivante GC355	SAM3X8E (-M3)	1GB	opt. SATA (Quad)	opt.	opt.	yes	4	Arduino
Intel Gen 8-LP GPU	Intel Curie (Quark SE)	4GB	32GB eMMC; SATA 3; M.2	GbE	WiFi, BT	yes	3	Arduino, other
Intel HD 400	no	1GB to 4GB	16GB to 64GB eMMC	GbE	no	yes	5	Pi 40

Intel HD 400	no	1GB to 4GB	16GB to 64GB eMMC	no	WiFi, BT	yes	1	Pi 40
Intel HD Graphics 500/505	no	2GB to 8GB	32GB to 128GB eMMC, SATA	opt.	WiFi, BT	yes	4	other
Intel Gen9 HD 500/505	no	2GB or 8GB	32GB to 128GB eMMC, SATA	2x GbE	no	yes	4	other
Vivante GC355	no	512MB to 2GB	opt. SATA (Quad)	GbE	opt.	yes	2	other
no	no	1GB	no	GbE	no	yes	2	other
no	no	512MB	4GB eMMC	GbE	no	no	1	other

nt models or different processor and memory configurations, but not other options. The ranges are based only the lowest price site, not a ran
olved, or necessarily name of sponsored open source project/website.

the SBCs.

s).

3, RGB, MIPI-DSI, VGA).

s, but does not include onboard USB interfaces

expansion), BeagleBone (BBone, dual 50x), 96Boards.org (40- and 60-pin), Grove, or MikroBus; "other" refers to a custom expansion interfa

3; Linux means any full featured Linux (Ubuntu, Fedora, Yocto Project, Debian, etc.); OpenWrt includes lightweight, OpenWrt Linux-based Lir

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