









Single-board computer									
	Raspberry Pi 4	Raspberry Pi 3 B+	Raspberry Pi Zero	Orange PI 3	Banana Pi	BeagleBone Black	BeagleBone	A20-OLinuXino-LIME	Onion Omega2 LTE
Image									
HAT compatible	Yes	Yes	Yes	No					No
Height	3.37 in (85.6 mm)	3.37 in (85.6 mm)	1.18 in (30 mm)	3.68 in (93.5 mm)	2.36 in (60 mm)	2.15 in	2.15 in	84 mn	80 mm
Width	2.22 in (56.5 mm)	2.22 in (56.5 mm)	2.55 in (65 mm)	2.36 in (60 mm)	3.62 in (92 mm)	3.4 in	3.4 in	60 mn	50 mm
Weight		1.58 oz (45 g)	0.31746 oz (9 g)	2.64 oz (75 g)	1.69 oz (48 g)	1.4 oz	1.4 oz		
Price	US\$35.00	US\$35.00	US\$5.00	US\$35.00		US\$45.00	US\$89.00 (Digikey)	33	\$99
Technical details									
CPU	1.5GHz Quad core Cortex-A72 (ARM v8) 64-bit	1.4GHz 64-bit quad-core ARMv8	1 GHz Low Power ARM1176JZ-F	Allwinner H6 SoC quad-core 64bit 1.8Ghz	1 GHz ARM Cortex-A7 dual-core			Allwinner A20 dual core Cortex-A7	580 MHz MIPS
GPU	VideoCore VI OpenGL ES 3.x	VideoCore IV	Dual Core VideoCore IV® Multimedia Co-Processor	Mali T720	ARM Mali-400 MP2 GPU dual-core			dual-core Mali 400 GPU	
RAM	1 GB , 2 GB, 4 GB	1 GB DDR2	512 MB	2 GB - 1 GB	1 GB	512 MB DDR3L-800	256 MB	512 MB (DDR3)	128 MB
4K compatible	Yes	No	No	Yes	No				
Onboard storage				8 GB EMMC (optional)					32 MB Flash + microSD slot
Flash storage types									
Ethernet (LAN, RJ45)	Yes 10/100/1000	Yes 10/100/1000	- via USB	Yes 10/100/1000	Yes 10/100/1000			Yes	no
USB	Yes 2x USB3.0 + 2x USB2.0	Yes 4x USB2.0	Yes micro + micro OTG	Yes 4x USB3.0 + 1x USB2.0 + mirco OTG	Yes 2x USB2.0 + micro OTG			Yes 2 USB (High-speed host with power control and current limiter)	Yes, USB-C port
SATA Ports	No	No	No	No	Yes	No	No	Yes SATA connector with 5V SATA power jack	No
HDMI port	Yes 2x micro HDMI	Yes	Yes mini	Yes 2.0a	Yes	Yes micro	Yes DVI-D	Yes + LCD connector compatible with with 4.3", 7.0", 10.1" LCD modules from Olimex	No
Wi-Fi	Yes 2.4GHz and 5GHz 802.11 b/g/n/ac	Yes 2.4GHz and 5GHz 802.11 b/g/n/ac	No	Yes 802.11 a/b/g/n/ac	No	No	No	No	2.4 GHz b/g/n Access Point & Client
Bluetooth®	Yes 5.0	Yes 4.2, BLE	No	Yes 5.0	No	No	No	No	No
Cellular	No	No	No	No	No	No	No	No	4G LTE Cat 4
GPS	No	No	No	No	No	No	No	No	GNSS
Infrared port	No	No	No	Yes					
On / Off switch	No	No	No	Yes				- 3 BUTTONS with ANDROID functionality + RESET button	
RTC	No	No	No	No	No				
Additional									
Release date	2019 Jun 24	2018 Mar 14	2015 Nov 30	2019	2014 Mar 1	2013 Apr 23			open for preorder