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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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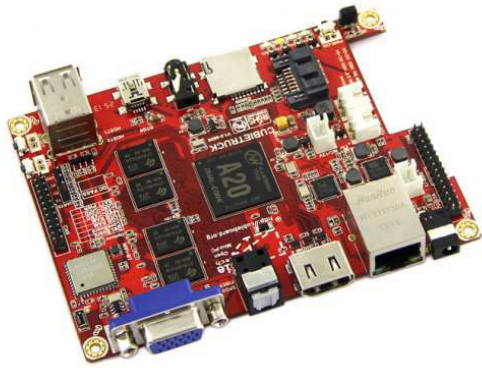
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## Cubietruck Kit - Dual Core Single-board Computer

SKU: 102990033

## Description

While A10/A20-cubieboard (<http://www.seeedstudio.com/depot/cubieboard-a20-p-1553.html>) very suitable for student, software/hardware hackers, A20-cubietruck is suitable for us to make real product.

Cubietruck is the 3rd board of Cubieteam, we also name it Cubieboard3. It's a new PCB model adopted with Allwinner A20 main chip, the same with Cubieboard2. But it is enhanced with some features, such as 2GB memory, VGA display interface on-board, 1000M NIC, WIFI+BT on-board, support Li-battery and RTC, SPDIF audio interface.

### Features

- Allwinner Tech A20 SOC
- SATA supported
- 54 extended pins
- Built-in HDMI/ VGA display interface
- Built-in WIFI+BT module
- 2GB DDR3 RAM
- Built-in IR receiver
- SPDIF audio interface

### Specifications

- Allwinner Tech SOC A20 ARM® Cortex™-A7 Dual-Core ARM® Mali400 MP2 Complies with OpenGL ES 2.0/1.1
- 2GB DDR3@480MHz
- HDMI&VGA 1080P display output on-board
- 10M/100M/1G Ethernet
- WIFI + BT wireless connection with antenna on-board
- SATA 2.0 interface support 2.5' HDD (for 3.5' HDD, only need another 12V power input)
- Storage solution NAND + MicroSD
- 2 x USB HOST, 1 x OTG, 1 x SPDIF, 1 x IR, 4 x LEDs, 1 x Headphone, 3 x Keys
- Power DC5V@2.5A with HDD support Li-battery & RTC
- 54 extended pins including I2S, I2C, SPI, CVBS, LRADC x2, UART, PS2, PWM x2, TS/CSI, IRDA, LINEIN&FMIN&MICIN, TVIN x4 with 2.0 pitch connectors
- PCB size 11cm \*8cm\*1.4mm
- Operating temperature: -10°C ~ 70°C.

### Includes

- Cubietruck main board x1
- SATA 2.0 cable x1
- Mini USB to OTG x1
- Mini USB cable x1
- USB to 1.7 mm DC jack cable x1
- Acrylic shell x1
- Ultrathin Heat Sink x1

	Cubieboard A10	Cubieboard A20	Cubietruck
<b>Size</b>	10cm x 6cm	10cm x 6cm	11cm x 8cm
<b>CPU</b>	Cortex-A8	Cortex-A7 Dual-Core	Cortex-A7 Dual-Core
<b>CPU Clock Frequency</b>	1GHz	1GHz	1GHz
<b>RAM</b>	1GB DDR3	1GB DDR3	2GB DDR3
<b>Flash/NAND</b>	4GB	4GB	8GB

<b>WIFI/Bluetooth</b>	N/A	N/A	On-board
<b>SATA</b>	SATA 2.0	SATA 2.0	SATA 2.0
<b>RTC</b>	N/A	N/A	Li-battery and RTC on-Board
<b>GPIO</b>	96 extend pins	96 extend pins	54 extended pins
<b>USB Host/OTG</b>	2xUSB 2.0/ 1xMini USB 2.0	2xUSB 2.0/ 1xMini USB 2.0	2xUSB 2.0/1xMini USB 2.0
<b>Video Out</b>	HDMI	HDMI	HDMI/VGA
<b>Audio Out</b>	HDMI/ SPDIF/ Headphone	HDMI/ SPDIF/ Headphone	HDMI/ SPDIF/ Headphone
<b>OS support</b>	Linux/Android	Linux/Android	Linux/Android

## **Documents**

[Cubietruck Hardware Detail](#)

## **Install Lubuntu**

[Lubuntu-12.10-Desktop Nand Installation Guide\(20131015-build\)](#)

[Lubuntu-12.10-Desktop SD Card Installation Guide](#)

[Install Lubuntu Desktop/Server Rootfs to SATA drive](#)

## **Install Android**

[A20-Compiling Android image for Cubietruck](#)

[A20-Install Nand Boot Android for Cubietruck](#)

## **Install Fedora**

[Fedora19\(r3\) SD Card Installation Guide](#)

## **Software**

[Images for Cubietruck\(A20\)\( The linaro's username and password should be linaro/linaro\)](#)

[More software download from Cubieboard download website](#)

For more product information and technical support, please contact [support@cubietech.com](mailto:support@cubietech.com).

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