



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
Size	10cm x 6cm	10cm x 6cm	11cm x 8cm
CPU	Cortex-A8	Cortex-A7 Dual-Core	Cortex-A7 Dual-Core
CPU Clock Frequency	1GHz	1GHz	1GHz
RAM	1GB DDR3	1GB DDR3	2GB DDR3
Flash/NAND	4GB	4GB	8GB

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