Products   OLinuXino   A10   A10-OLinuXino-LIME

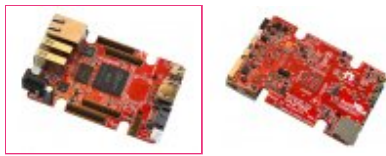# A10-OLinuXino-LIME

OPEN SOURCE HARDWARE EMBEDDED ARM LINUX SINGLE BOARD COMPUTER WITH ALLWINNER A10 CORTEX-A8

Price	30.00 EUR

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A10-OLinuXino-LIME is a very compact (84x60)mm Linux Open-source Hardware computer

FEATURES

Allwinner A10 Cortex-A8 processor typically running at 1GHz and Mali 400 GPU

512MB DDR3 RAM memory

SATA connector with 5V SATA power jack

Capable of HD (720p) video playback

HDMI connector

2 x USB High-speed host with power control and current limiter

USB-OTG with power control and current limiter

100MBit native Ethernet

LiPo Battery connector with battery-charging capabilities

LCD row of pins (0.05'' step)

160 GPIOs on four GPIO rows of pins (0.05'' step)

MicroSD card connector

DEBUG-UART connector for console debug with USB-SERIAL-CABLE-F

GPIO LED

Battery charge status LED

Power LED

2KB EEPROM for MAC address storage and more

3 BUTTONS with ANDROID functionality + RESET button

4 mount holes

5V input power supply, noise immune design

PCB dimensions: 84x60 mm

DOCUMENTS

User's manual

Board's dimensions

HARDWARE

Schematics and hardware source file

Eagle shield template

KiCad shield template

SOFTWARE

GitHub OLINUXINO Project

Image links, instructions, demo software, customer projects and more might be found at the wiki page of A10: A10-OLinuXino-Lime article

FAQ

I am an inexperienced user and I'm afraid to mess up initially. What are the most common errors in the initial start-up of the board?

The best idea is to download the latest Debian or Android image from the wiki and to pay attention if it is for microSD card or the NAND memory. After that ensure the image is properly written to the SD card or the NAND memory. Finally, if you are expecting video output problems, ensure the image is set with the proper settings for the display/monitor you are going to use. Double check if the power supply is sufficient (especially if powering a display from the board).

What do I need to connect one of the Olimex-made displays to the board?
Refer to this wiki article: https://www.olimex.com/wiki/How_to_connect_display_to_a_Lime_board

I bought A13-LCDxx but when I connect it to the A10-OLinuXino-LIME I receive no image on the display. What do I do wrong?
The default A10-OLinuXino-LIME Debian image is set for HDMI output and FullHD resolution. To use LCD or lower the resolution you would need to start the shell script in the default Debian image. More information might be found at the wiki article of the board.

What is the operating temperature range of A10-OLinuXino-LIME?
The board works in the commercial temperature range 0+70C

How long this board will be available?
This board will be available forever

Related Products - People who bought this product also bought

A10-LIME-ANDROID-SD

Price	9.95 EUR
10 - 49 pcs	8.96 EUR
50 - 10000 pcs	7.96 EUR

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A10-LIME-DEBIAN-SD

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10 - 49 pcs	8.96 EUR
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A10-OLinuXino-LIME-BOX

Price	5.00 EUR

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A10-OLinuXino-LIME-U...

Price	3.00 EUR

A20-OLinuXino-LIME

Price	33.00 EUR

A20-OLinuXino-LIME

Price	33.00 EUR

| 10 - 49 pcs | 2.70 EUR |
| 50 - 10000 pcs | 2.40 EUR |

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A20-OLinuXIno-LIME2

| Price | 45.00 EUR |

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A20-OLinuXIno-LIME2-...

| Price | 55.00 EUR |

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ALUMINIUM-HEATSINK-20x...

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10 - 49 pcs	0.45 EUR
50 - 10000 pcs	0.40 EUR

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10 - 49 pcs	5.36 EUR
50 - 10000 pcs	4.76 EUR

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BATTERY-LIPO3000mAh

Price	7.95 EUR
10 - 49 pcs	7.16 EUR
50 - 10000 pcs	6.36 EUR

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BATTERY-LIPO4400mAh

Price	8.95 EUR
10 - 49 pcs	8.06 EUR
50 - 10000 pcs	7.16 EUR

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BATTERY-LIPO6600mAh

| Price | 11.95 EUR |
| 10 - 49 pcs | 10.76 EUR |

CABLE-40-40-10CM

| Price | 3.00 EUR |
| 10 - 49 pcs | 2.70 EUR |

FEMALE-YAV36P-2x07

| Price | 0.14 EUR |
| 10 - 49 pcs | 0.13 EUR |

50 - 10000 pcs	**9.56 EUR**

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50 - 10000 pcs	**2.40 EUR**

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50 - 10000 pcs	**0.11 EUR**

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FEMALE-YAV36P-2x10

Price	**0.20 EUR**
10 - 49 pcs	0.18 EUR
50 - 10000 pcs	0.16 EUR

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FEMALE-YAV36P-2x20

Price	**0.40 EUR**
10 - 49 pcs	0.36 EUR
50 - 10000 pcs	0.32 EUR

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Price	**0.14 EUR**
10 - 49 pcs	0.13 EUR
50 - 10000 pcs	0.11 EUR

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MALE-PAV16X-2x10

Price	**0.20 EUR**
10 - 49 pcs	0.18 EUR
50 - 10000 pcs	0.16 EUR

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MALE-PAV16X-2x20

Price	**0.40 EUR**
10 - 49 pcs	0.36 EUR
50 - 10000 pcs	0.32 EUR

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10 - 49 pcs	5.40 EUR
50 - 10000 pcs	4.80 EUR

MOD-WIFI-R5370-ANT

Price	**8.00 EUR**
10 - 49 pcs	7.20 EUR
50 - 10000 pcs	6.40 EUR

MOD-WIFI-RTL8188

Price	**7.95 EUR**
10 - 49 pcs	7.16 EUR
50 - 10000 pcs	6.36 EUR

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SATA-CABLE-SET

Price	5.00 EUR
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50 - 10000 pcs	4.00 EUR

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10 - 49 pcs	4.46 EUR
50 - 10000 pcs	3.96 EUR

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USB-MINI-CABLE

Price	2.00 EUR
10 - 49 pcs	1.80 EUR
50 - 10000 pcs	1.60 EUR

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USB-Serial-Cable-F

Price	5.95 EUR
10 - 49 pcs	5.36 EUR
50 - 10000 pcs	4.76 EUR

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