UDOO, there's nothing you can't do

UDOO is the revolutionary open-source $ 99 mini-computer, that can run either Linux, Android and Arduino, with an Arduino-compatible board embedded.
On June 8, 2013, UDOO aroused a worldwide consensus on Kickstarter from a community of 4172 backers, reaching a funding of $ 641,614 on a goal of $ 27,000.
The key aspects that drove such an impressing success are:

- great computing power in tiny dimensions
- hyper-versatility
- extremely low energy consumption
- all-in-one philosophy.

Thanks to its Quad-Core Cpu and on-board graphic processor is able indeed to provide all the raw processing power needed for every kind of project, and thanks to its on-board Arduino, it can be used to impact the physical world with sensors and actuators. Thanks to these unique features combined, UDOO is currently used in projects ranging from Internet of Things, domotics, digital arts, robotics, multimedia, education, drones and more.
This makes UDOO the most flexible standalone platform for developing in every known language and framework. This has been our core strategy: to build something you can use to create everything you want, whether you are an expert or a total newbie, without the need to chip in anymore.

Creators
UDOO is the result of a joint effort of Aidilab and SECO USA. A team of researcher from the most prestigious Universities in the world have been involved during the development.

Designed for:

- **Makers**

Linux and Arduino finally in one board. As a maker you can use all programming languages you are used to, or get started very quickly if you are a beginner.

- **Developers**

All major SDK included and enough computing power for most kind of application.

- **Students**

An integrated and complete learning platform, supported by a growing community.

- **Businesses**

The fastest prototyping tool on the market, to foster R&D and reduce time to market, up to 90%

energy cost reduction.

Made with UDOO

- Lunar Rover
- Automotive, electronic management platform
- Android board computer for vehicles
- Time signal station (cost reduction by almost $ 17 Million thanks to UDOO)
- Wearable controlling interface for games and communications
- Augmented reality in education
- Mario, android powered robot

Specs:
UDOO is a very powerful board based on dual or quad core ARM cortex-A9 CPU with great performance both on Android and Linux OS, and a dedicated ARM processor for the GPIO. These are the main specifications:

- Freescale i.MX 6 ARM Cortex-A9 CPU Dual/Quad core 1GHz
- Integrated graphics, each processor provides 3 separated accelerators for 2D, OpenGL® ES2.0 3D and OpenVG™
- Atmel SAM3X8E ARM Cortex-M3 CPU (same as Arduino Due)
- RAM DDR3 1GB
- 76 fully available GPIO
- Arduino-compatible R3 1.0 pinout
- HDMI and LVDS + Touch (I2C signals)
- Ethernet RJ45 (10/100/1000 Mbit)
- WiFi Module
- Mini USB and Mini USB OTG
- USB type A (x2) and USB connector (requires a specific wire)
- Analog Audio and Mic
- SATA (Only Quad-Core version)
- Camera connection
- Micro SD (boot device)
- Power Supply 12V and External Battery connector