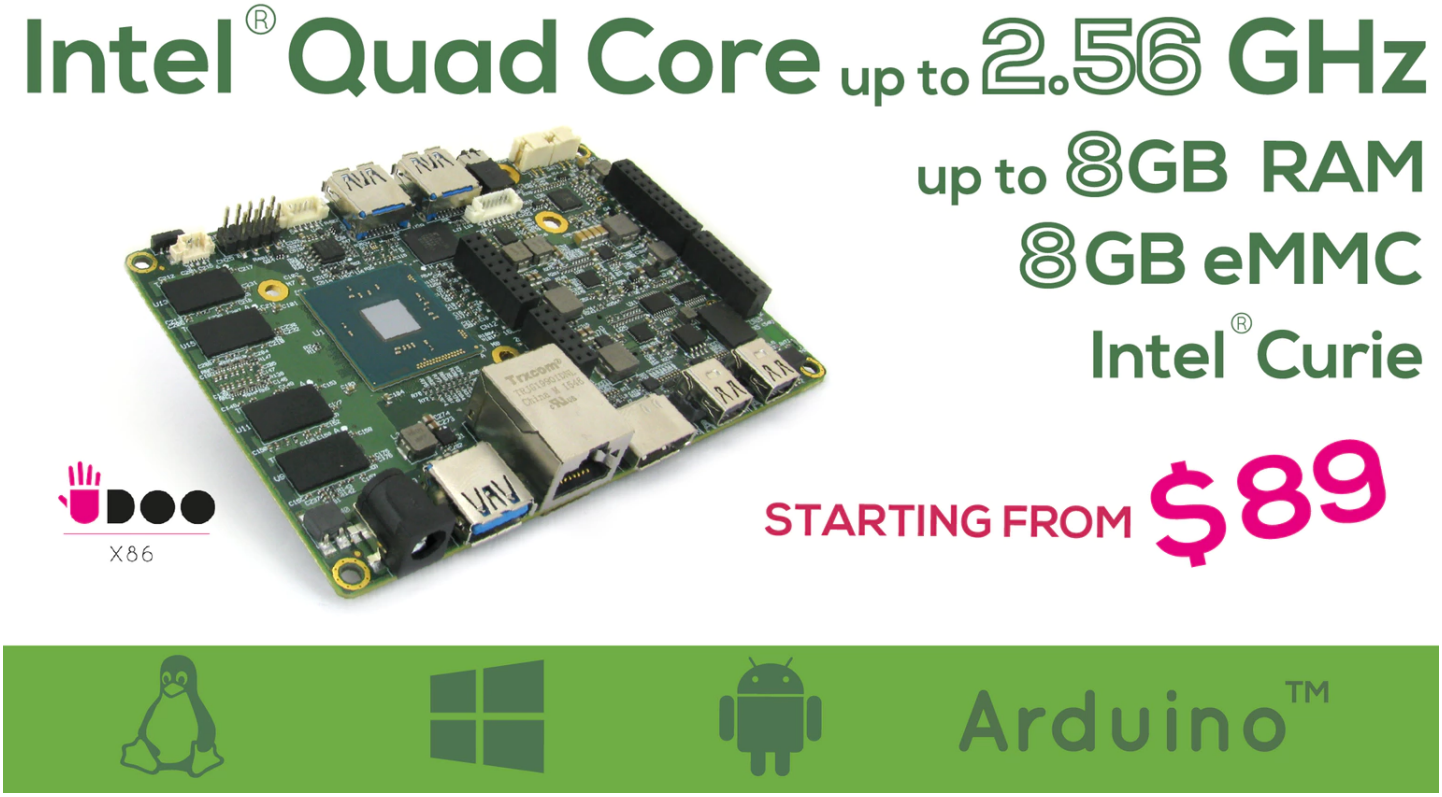
UDOO X86: The Most Powerful Maker Board Ever



10 times more powerful than Raspberry Pi 3, x86 64-bit architecture

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Created by

UDOO

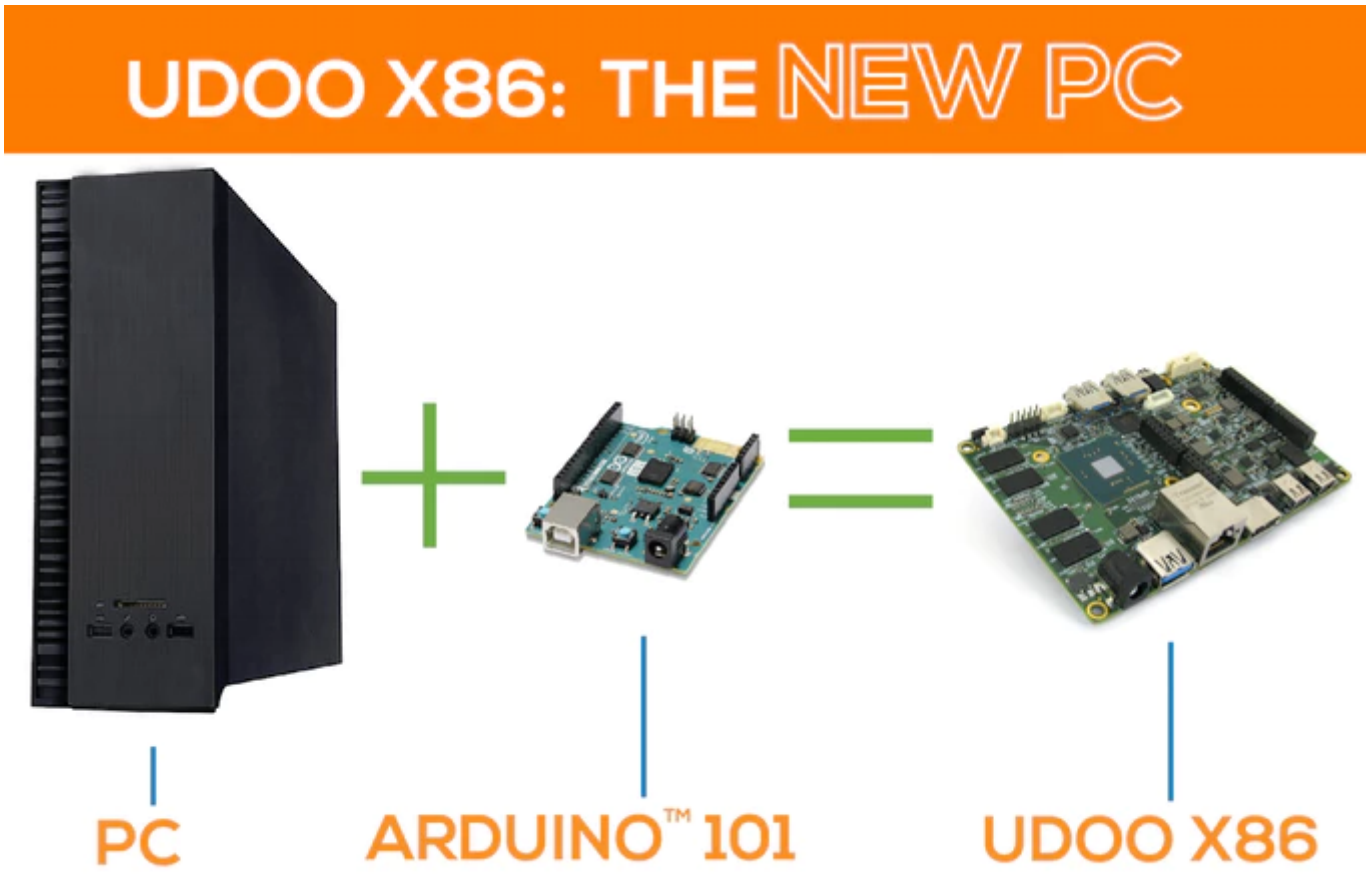
4,245 backers pledged $800,211 to help bring this project to life.

UDOO X86: The Most Powerful Maker Board Ever

Boston, MA Hardware

$800,211
pledged of $100,000 goal

4,245
backers

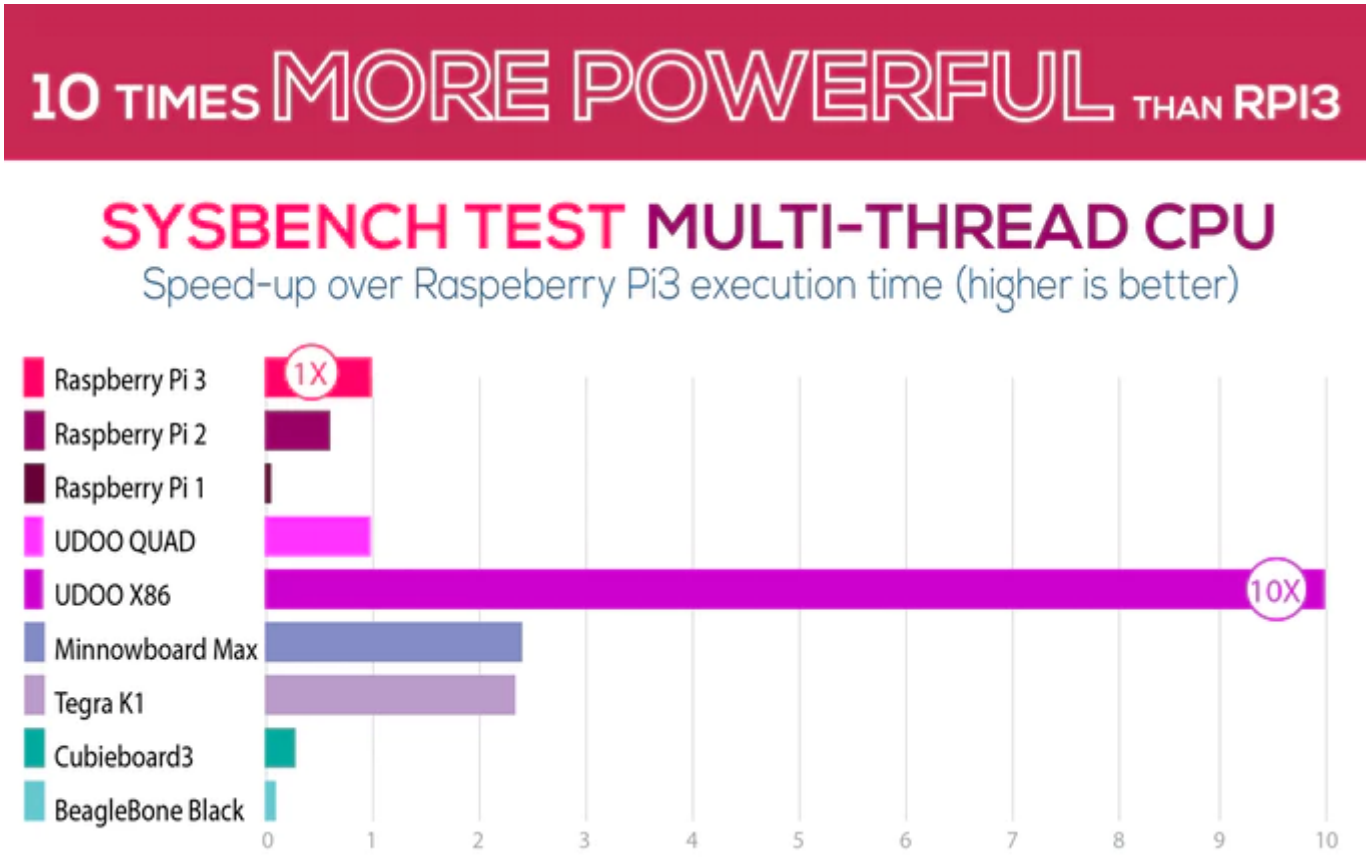


UDOO X86 is the New PC: the most powerful maker board ever and an Arduino™ 101-compatible platform, all embedded on the same board.

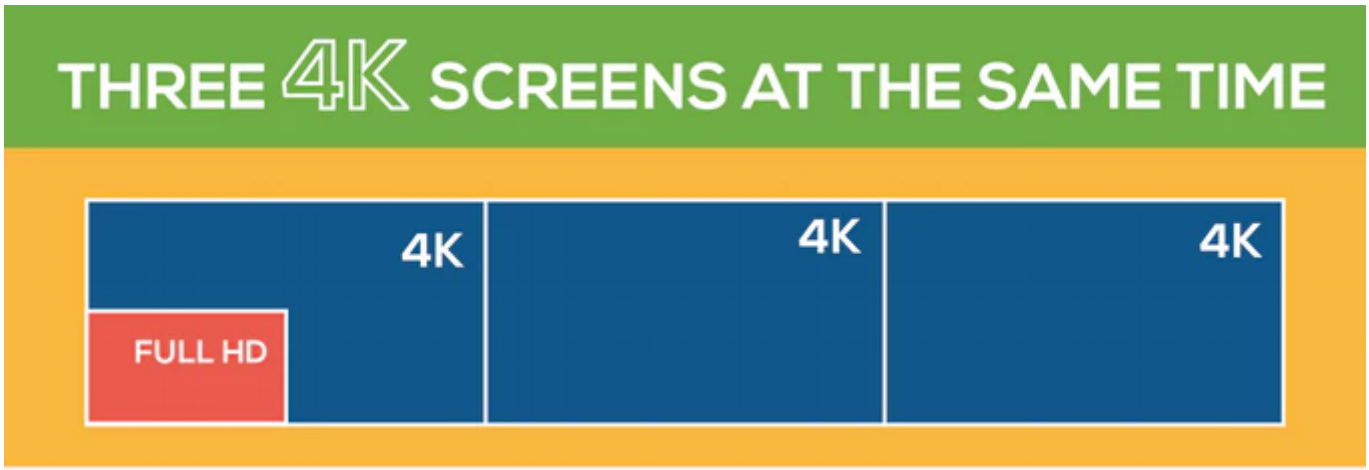
On UDOO X86 you can run all the software available for the PC world, from gaming to video streaming, from graphical editors to professional development platforms, plus all the software for the Arduino™ 101 world, including all the sketches, libraries and the official Arduino™ 101 IDE.

You won't ever worry about lack of drivers or stuff like that.

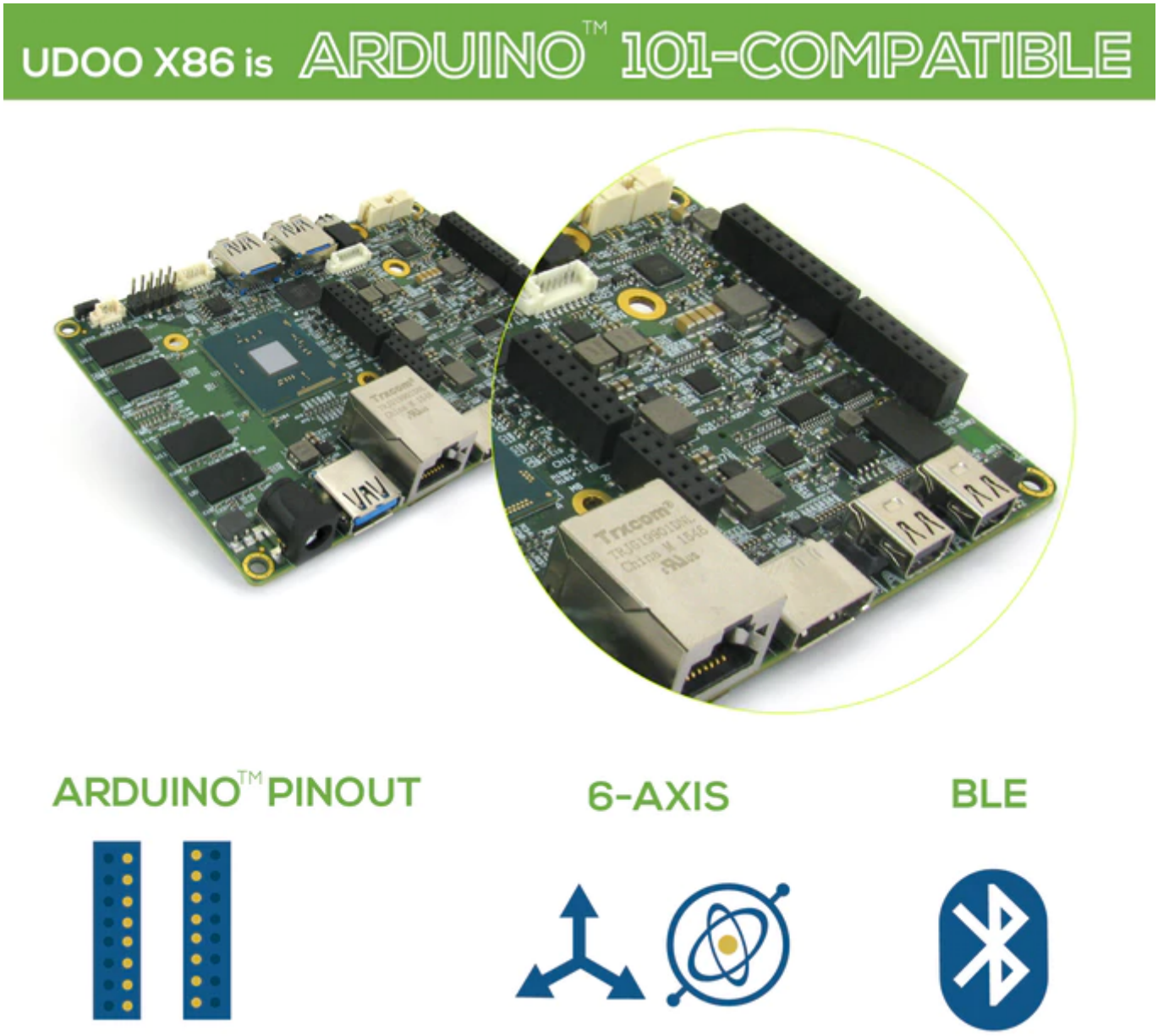
This is a true next-generation computer.



UDOO X86 is **10 times more powerful than Raspberry Pi 3**, able to **drive up to three 4K screens at the same time**.



It is based on **Quad Core 64-bit new-generation x86 processors** made by Intel®, designed for the PC domain. Prodigious processors concentrated in 14 nm, with an amount of **energy consumption of 5 or 6 Watt**.



The UDOO X86 embedds the newest Arduino™ 101, with all the upgrades - including **6-axis accelerometer and gyroscope** and **Bluetooth Low Energy** connectivity.

The Arduino™-compatible platform onboard is connected with the main processor **through an internal USB port**.

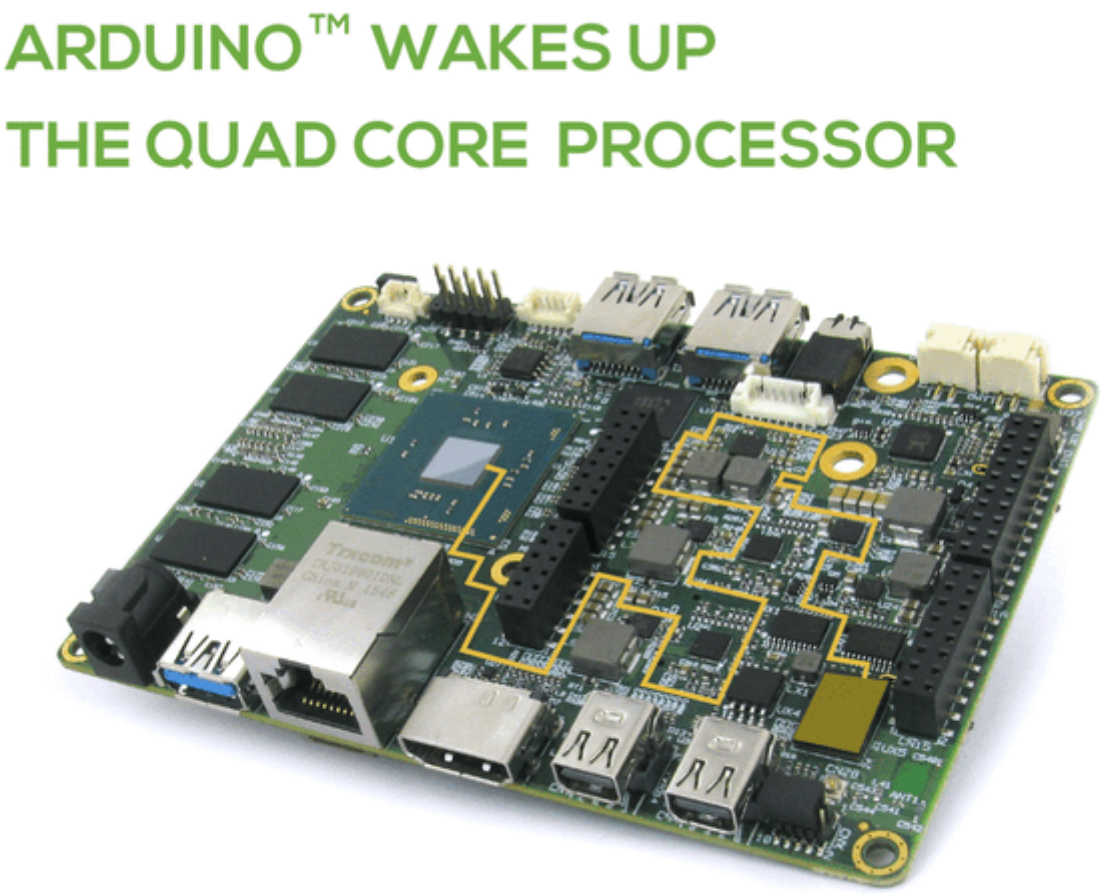
In terms of software UDOO X86 is **compatible with the official Arduino™ 101 IDE** and with **all the sketches, tutorials and resources available in the Arduino™ 101 community**.

Speaking of hardware, UDOO X86 has the same pinout layout of Arduino™ 101. In other words, UDOO X86 is **compatible with all Arduino™ 101-compatible shields, sensors and actuators**.

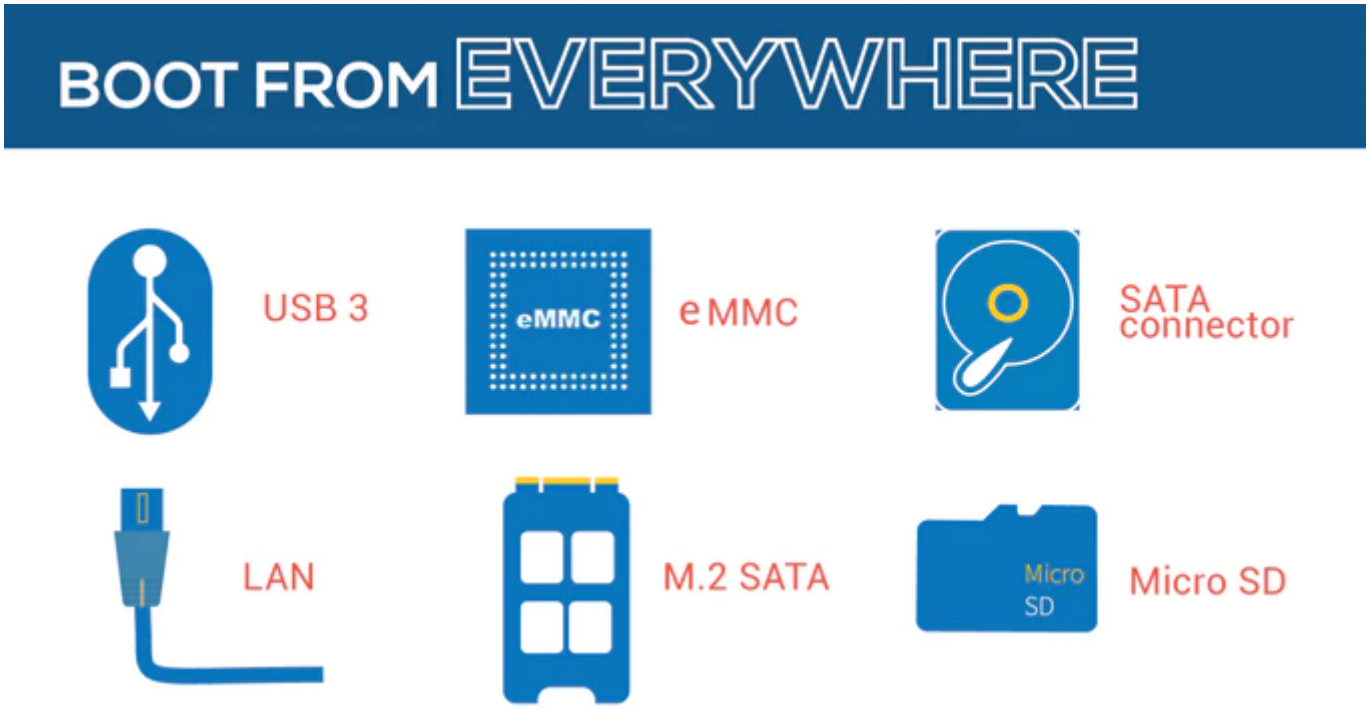
The board operating voltage and I/O is 3.3V but all pins are also **protected against 5V overvoltage.**

Why is an Arduino™ 101-compatible module such a great addition to this board?

- UDOO X86 can be used to program the Arduino™-compatible module **directly with the standard Arduino™ IDE**.



- But the ace in the hole of UDOO X86 is the communication between the Intel® Quad Core processor and the Arduino™-compatible plaform. The **interconnection** between the two systems is the distinctive feature of UDOO, and this time we have pushed this interaction even further. The board is designed to allow the Arduino™ 101-compatible microcontroller to run when the powerful CPU is powered off, and wake it up when something's happened in the world. **IoT gets easy**.



UDOO X86 supports a **multiboot configuration** and **boot from everywhere**, being even more flexible.

But what really makes UDOO X86 a true PC is its flexibility, first of all in terms of **storage**: UDOO X86 mounts 8 GB eMMC on board, a Micro SD card reader as well as SATA, M.2 Key B and USB 3.0 ports to attach your new-generation hard disk.

UDOO X86: Full BIOS Control

Show full project description

Risks and challenges

SECO, a strong player in the B2B embedded market, is a fundamental partner in the project and manufacturer of the board, with over 35 years of experience in the design and production of electronic embedded solutions.
SECO is also the designer and manufacturer of the whole UDOO family, as well as thousands of other single board computers for industrial customers. Its in-house manufacturing unit has been ISO9001-certified since 2003. For this reason, we don’t foresee any problems with the design, manufacturing or shipping of UDOO x86 within the expected deadlines. At the moment the product has already been developed as a rev A prototype, but it is still a work in progress on the hardware side. Funding through Kickstarter is fundamental for us to buy components in large quantities and at the same time keep the price as low as possible.

Regarding the software, the only risk regards the development of an Android OS for UDOO X86 within the time schedule.

Learn about accountability on Kickstarter

FAQ

Have a question? If the info above doesn't help, you can ask the project creator directly.

Ask a question

Report this project to Kickstarter

Funding period

Apr 13 2016 - Jun 6 2016 (54 days)

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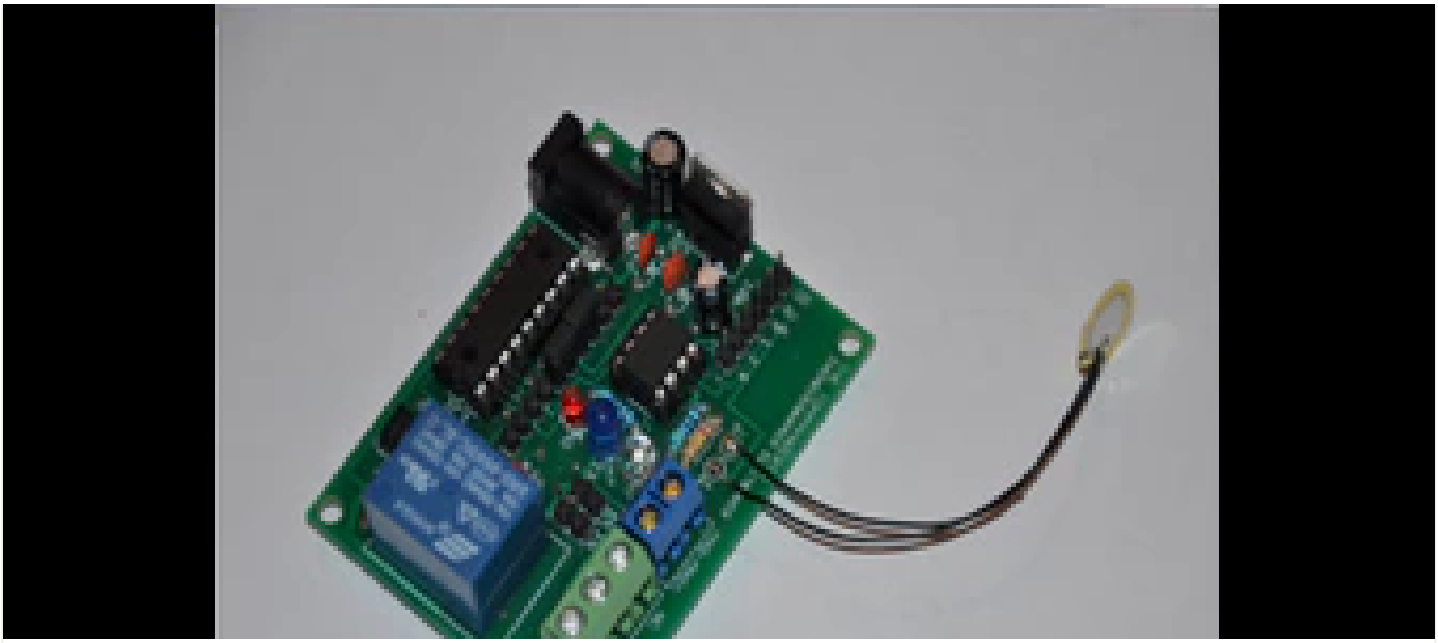
305% funded **S$ 45,777** pledged **10** days to go

Wirebutter:Worlds smartest powerboard,measure,control & IOT

31% funded **AU$ 18,503** pledged **33** days to go



The Tommy-Knocker Arduino Compatible Secret Knock LOCK!

164% funded **CA$ 2,466** pledged **5** days to go

English