Linino sponsor at the Maker Faire Hannover

After Paris, Linino will be at the Maker Faire Hannover from July 4 to July 6. German Makers will be able to see and explore directly the wide range of Linino modules dedicated to the Do It Yourself market at dog hunter’s stand number 34 in the Niedersachsenhalle.

Zug, June 28, 2014 - After the excellent results obtained at the Maker Faire Bay Area, San Mateo, California, in May, and the success at the Maker Faire Paris, in June, Linino will be present at the next Maker Faire edition, the most important event dedicated to the world of makers in all the possible areas, from electronics to engineering, from origami to robotics. This edition will take place in Hannover (Germany) from July 4 to July 6, and Linino will of course be there, waiting for all the makers at stand number 34, Niedersachsenhalle.

The many makers who already know Linino’s solutions and those who’d like to get to know them on this occasion will be able to discover them here, at dog hunter’s space. And we are talking about a number of modules: Linino ONE, Linino OpenSDA, Linino Chiwawa, Linino Freedog, Arduino Yun, and their accessories: Linino ONE’s accessories, the shields Lucky shield for ONE and Lucky shield for Yun, as dog hunter is currently the first Linino sponsor.

A dog hunter team will welcome visitors and explain them the features of the boards on show, through videos, slides and demos.
“We’re getting ready for the Maker Faire Hannover with great enthusiasm”, declared Federico Musto, dog hunter’s CEO and President, “excited by the Parisian experience ended a week ago.” As a matter of fact, the Maker Faire Paris, confirmed the great expectations dog hunter had on the European market. “It’s a very lively and receptive market, ready to welcome our proposals. Feeling the surprise and the satisfaction of the many makers that found in the Linino ONE boards the best instrument to make their projects become reality has been of major importance to us.”

Presentations

“We didn’t take by chance the decision to be at the Maker Faire Hannover as sponsors”, explained moreover Mr. Musto. “We felt the need to grant Linino enough space and adequate instruments to be able to communicate our proposal to the public”

Together with staff available at the stand to show the features of the boards and accessoriesthere will be two lectures made by one of Linino’s main connoisseurs, Ph.D. Angelo Zaia. The two lectures will be entitled “Linino: from Hackers to Makers” and will be held the first on Saturday at 12.30 and the second on Sunday at 11 in Conference Room Nr. 11/13.

Angelo will lead the participants through a journey in the Linino world.

By the means of impactful demos, he will show the potentialities of an ecosystem that allows interactions between the cyber world and the physical world (i.e. between the hackers’ dimension and the world where makers act!), to subsequently dwell on programming procedures of sensors and actuators and on the way to integrate the same in Cloud-based frameworks.
Products on show at the Maker Faire

- The **Linino One** is a breadboard PCB developed with Atmega 32u4 MCU and QCA MIPS 24K SoC CPU operating up to 400 MHz. Qualcomm Atheros CPU supports a Linux distribution based on OpenWRT named Linino. The board has built-in WiFi (IEEE 802.11 b/g/n up to 150 Mbps 1x1 2.4 GHz) supports 20 digital input/output pins (of which 7 can be used as PWM outputs and 12 as analog inputs), a 16 MHz crystal oscillator, a micro USB connector, an ICSP header, 2 reset buttons and 1 user button.

- The **Linino ONE Accessories** (or Add-ons)
  - **dogRJ45**
    Designed to meet IEEE 802.3 Fast Ethernet switch with auto- crossover, auto-polarity, and auto-negotiation. 10/100 Mbps Fast Ethernet port basic switch feature including port mirroring, broadcast storm support, flow control in full-duplex, and back pressure in half duplex. Operating temperature range: 0°C to +60°C.
  - **dogUSB**
    A type USB connector. Fully compliant with USB Hub specification version 2.0 and is also backward compatible with USB Hub specification 1.1. Supports automatic switching between bus-power and self-power modes built-in USB 2.0 transceiver. uSD connector with card reader. Supports multiple sectors transfer optimize performance. Supports port-to-slot and read/write operation. Operating temperature range: 0°C to +60°C.
  - The **Lucky Shield** is an easy way to use Linino ONE board that grants you access to barometric pressure, relative altitude, luminosity, temperature and direction. It sits on top of your Linino ONE board and also turns into simple controller and OLED display system.
  - The very new Linino **Chiwawa** is an LGA module based on the a Atheros MIPS AR9331. The Atheros processor supports Linino, a Linux distribution based on OpenWRT. The module is provided with a daughter board where all the signals coming form the module are exported. The board has built-in Ethernet and WiFi support, a USB-A port, micro-SD card slot, a 16 MHz crystal oscillator, a micro USB connection, PoE module connection, and reset button.
  - The **OpenSDA** dongle is based on Kinetis K20 family microcontroller embedded with 128KB flash and an integrated USB controller. OpenSDA has a quick and easy mechanism for flash programmer applications developed with mass storage device (MSD) bootloader.
  - The **Freedog** is a MIPS board developed with Atheros AR9331 and Kinetis L Series KL25Z ARM Cortex-M0+ processor. Atheros processors supports a Linux distribution based on OpenWRT named Linino. The board has built-in ethernet and WiFi support, a USB A type port, micro SD card slot, 56 general purpose programmable input/output, a 8MHz crystal oscillator, a micro USB connector, a SWD header and 3 reset button. The external pin header is compatible with Arduino.
  - The **ArduinoTM Yun** is a MIPS board based on the Atheros AR9331 and the ATmega32u4. The Atheros processor supports Linino, a Linux distribution based on OpenWRT. The board has built-in Ethernet, 802.11 g/b/n WiFi support, USB-A port, micro-SD card slot, 20 digital input/output pins (of which 7 can be used as PWM outputs and 12 as analog inputs), a 16 MHz crystal oscillator, a micro USB connection, an ICSP header, and 3 reset buttons.
  - The **Linino Yun Shield** is a MIPS board developed with Atheros AR9331 supporting a Linux distribution based on Open WRT named Linino. Combing with Arduino boards, such as UNO, DUE and Leonardo, you can connect wireless internet freely. Node.js/JavaScript, Alljoy and Ideino are reachable on www.linino.org. That means you can learn exactly how it's made and use its design as first step of own circuit.

Products on sale at the Maker Faire with a Faire’s special price

- Linino ONE
- Linino ONE Accessories
**Linino**

Linino is a distribution based on OpenWRT with about 3000 package built and available. Linino provides a fully writable filesystem with package management with GPG signature.

**dog hunter**

dog hunter is a company based in Zug (CH), in USA and Taiwan, specialized in the design and development of WiFi modules supported by Linino distribution for educational, hobby and industry.

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