The ONE is a breadboard PCB based on the Arduino™ YUN ATmega 32u4 MCU and the QCA MIPS 24K SoC CPU operating at up to 400 MHz. The Qualcomm Atheros CPU supports a Linux distribution based on OpenWRT named Linino. The board has built-in Wireless LAN (IEEE 802.11b/g/n up to 150Mbps 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, two reset buttons and one user button.

**Arduino™ YUN microcontroller**
- Microcontroller: ATmega32u4
- Operating Voltage: 5V
- Input Voltage: 5V
- Clock Speed: 16 MHz

**Linux Processor**
- MIPS 24k SoC
- Atheros AR9331 @ 400MHz
- IEEE 802.11b/g/n
- RAM: 64 MB DDR2
- Flash Memory: 16 MB

**dogRJ45**
- IEEE 802.3 fast Ethernet switch
- 10/100 Mbps fast Ethernet port

**dogUSB**
- A-USB connector with USB 2.0 Hub
- uSD connector with card reader

Internet of Everything, Linux platform with wireless connectivity to customize your own project.