



ONE

# Microdog

ONE

RJ 45

dog USB

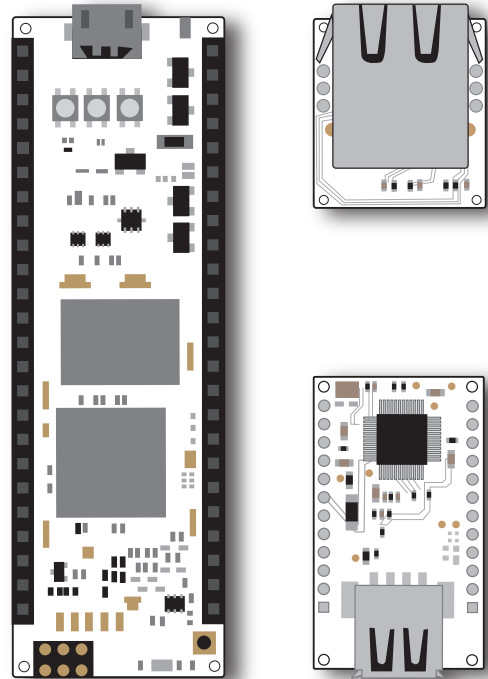
Internet of Everything,

Linux platform with wireless connectivity to customize your own project.

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.



Designed in Switzerland



#### Arduino™ YUN microcontroller

Microcontroller	ATmega32u4
Operating Voltage	5V
Input Voltage	5V
Clock Speed	16 MHz

#### Linux Processor

MIPS 24k SoC	Atheros AR9331 @ 400MHz
(WLAN)	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