THE NEXT-GEN INTEL® X86 II
OPEN HARDWARE SBC

Quad core 64 BIT
CPU Up to 2.56 GHz
GPU Up to 700 MHz

Up to 3 simultaneous screens
1x HDMI, 2x MiniDP++

Up to 8 GB Dual Channel RAM
Up to 32 GB eMMC Drive*

Embedded Arduino® Leonardo-compatible

Bluetooth 4.0 and Wi-Fi**

IoT Ready:
Main cloud services,
UDOO BRICKS &
UDOO BLU

Operating Systems:
Windows 10, 8.1, 7,
+ All Linux Flavors
for x86; Android

Low Consumption and Fanless

* Depends on version
** Optional
### Arduino Leonardo Microcontroller

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Microcontroller</strong></td>
<td>ATmega32U4</td>
</tr>
<tr>
<td><strong>Other Interfaces</strong></td>
<td>1 UART, 1 x I2C, 1 x SPI</td>
</tr>
<tr>
<td><strong>Arduino Pinout</strong></td>
<td>Compatible with most Arduino shields, 5V compliant</td>
</tr>
<tr>
<td><strong>Digital I/O Pinout</strong></td>
<td>Up to 23 x digital I/O (7 PWM)</td>
</tr>
<tr>
<td><strong>Analog I/O Pinout</strong></td>
<td>12 x Analog input</td>
</tr>
</tbody>
</table>

---

8.05.19

**www.udoo.org**

---

The communication between the Braswell SoC and the ATmega32U4 Microcontroller goes through an internal USB interface just like Arduino Leonardo boards connect to external PCs.