ESP-WROOM-32 vs. Arduino Due

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| **Naam** | **ESP-WROOM-32** |  | **Arduino Due** |
| **Frequency** | *2.4-2.5GHz* |  | *84 MHz* |
| **Memory** | *4 MB, 8 MB, or 16 MB Flash* |  | *96 KB SRAM, 512 KB Flash* |
| **Dimensions** | *18mm x 20mm x 3mm* |  | *101.52mm x 53.3mm* |
| **Voltage** | *Operating: 2.2 ~3.6V* |  | *3.3V* |
| **Input Voltage** | *2.3-3.6V  Recommended: 3.3V* |  | *6-20V  Recommended: 7-12V* |
| **Sensors** | *Hall sensor*  *Temperature sensor* |  | *Temperature Sensor* |
| **Timer** | *On board clock: 26 MHz  Crystal: 32 kHz crystal* |  | *On board clock: 1 MHz* |
| **Pins** | *38 pins* |  | *54 pins (12 PWM)* |
| **Analog Input Pins** | *14 pins* |  | *12 pins* |
| **Analog Output Pins** | *2 pins* |  | *2 pins (DAC)* |
| **Temperature Range** | *Operating: -40ºC to 85ºC* |  | *Operating: -40°C to 85°C* |
| **Pin output Voltage** | *3.3V* |  | *3.3V* |