### Wemos D1 Mini

**Technical specifications**Microcontroller ESP-8266EX  
Power 3.3V  
Digital I/O Pins 11  
Analog input Pin 1 (Max ingang: 3.2V)  
Clock speed 80MHz/160MHz  
Flash 4M bytes  
Length 34.2mm  
Width 25.6mm  
Weight 10g

**Pins**  
**Pin Function ESP-8266 Pin**  
TX TXD TXD  
RX RXD RXD  
A0 Analog input, max 3.3V A0  
D0 IO GPIO16  
D1 IO, SCL GPIO5  
D2 IO, SDA GPIO4  
D3 IO, 10k Pull-up GPIO0  
D4 IO, 10k Pull-up, BUILTIN\_LED GPIO2  
D5 IO, SCK GPIO14  
D6 IO, MISO GPIO12  
D7 IO, MOSI GPIO13  
D8 IO, 10k Pull-down, SS GPIO15  
G Ground GND  
5V 5V N.C.  
3V3 3.3V 3.3V  
RST Reset RST

All IO pins support interrupt / PWM / I2C / one-wire, except D0  
All IO pins are running on 3.3V.

**Example code**

/\*

\* Blink

\* Turns on the onboard LED on for one second,

\* then off for one second, repeatedly.

\* This uses delay() to pause between LED toggles.

\*/

void setup() {

pinMode(BUILTIN\_LED, OUTPUT); // initialize onboard LED as output

}

void loop() {

digitalWrite(BUILTIN\_LED, HIGH); // turn on LED with voltage HIGH

delay(1000); // wait one second

digitalWrite(BUILTIN\_LED, LOW); // turn off LED with voltage LOW

delay(1000); // wait one second

}