



WEMOS D1 WiFi UNO R3 開發板 基於 ESP8266 可直接用 IDE



性能描述

WEMOS D1 WiFi UNO R3 是一款基於 ESP8266-EX 的基於 WiFi 的微處理器，具有 Arduino UNO 大小面積。傳感器和輸出設備將在 WeMos-D1R2 上工作，並具有內建 WiFi 的附加優勢。

- 1 piece - Wemos D1 WEMOS D1 WiFi UNO R3 ESP8266 Development Board
- More than enough straight male header pins to solder into all of the open through-holes on the board

WEMOS D1 WiFi UNO R3 SPECIFICATIONS:

- **Microcontroller:** ESP8266EX
- **Operating Voltage:** 3.3V
- **Digital I/O Pins:** 11 (all I/O pins have interrupt/pwm/I2C/one-wire capability, except for D0)
- **Analog Input Pins:** 1
- **Flash Memory:** 4MB
- **On-Board Switching Power Supply:**
 - **Input Voltage Range:** 9V to 12V 最高輸入電壓不要超過 12V
 - **Output:** 5V at 1A Max
- **Board Dimensions:** 68.6mm x 53.4mm (2.701 " x 2.102 ") / Long x Wide
- **Weight:** 21.8g (0.769oz)

PINS:

Board Pin	Function	ESP8266 Pin
TX	TXD	TXD
RX	RXD	RXD
A0	Analog input	A0
D0	I/O	GPIO16
D1	I/O, SCL	GPIO5
D2	I/O, SDA	GPIO4
D3	I/O, 10k pull-up	GPIO0
D4	I/O, 10k pull-up, BUILTIN_LED	GPIO2
D5	I/O, SCK	GPIO14
D6	I/O, MISO	GPIO12
D7	I/O, MOSI	GPIO13
D8	I/O, 10k pull-down, SS	GPIO15
GND	Ground	GND
5V	5V	
3V3	3.3V	3.3V
RST	Reset	RST

All of the I/O pins have interrupt/PWM/I2C/one-wire capability, except for D0

Arduino-UNO		WeMos-D1R2		Arduino-UNO		WeMos-D1R2	
SCL	I2C: SCL	→	GPIO05 I2C: SCL	GPIO08	→	GPIO12	
SDA	I2C: SDA	→	GPIO04 I2C: SDA	GPIO07	→	GPIO14	
AREF		→		GPIO06	→	GPIO02	
GND		→	GND	GPIO05	→	GPIO00	
GPIO13	SPI: SCK	→	GPIO14 SCK	GPIO04	→	GPIO04	
GPIO12	SPI: MISO	→	GPIO12 MISO	GPIO03	→	GPIO05	
GPIO11	SPI: MOSI	→	GPIO13 MOSI	GPIO02	→	GPIO16	
GPIO10	SPI: SS	→	GPIO15 SS	GPIO01	TX	→	GPIO01 TX0
GPIO9		→	GPIO13	GPIO00	RX	→	GPIO00 RX0