KeeYees ESP8266 Mini WiFi Development Board User Manual

Contents

KeeYees

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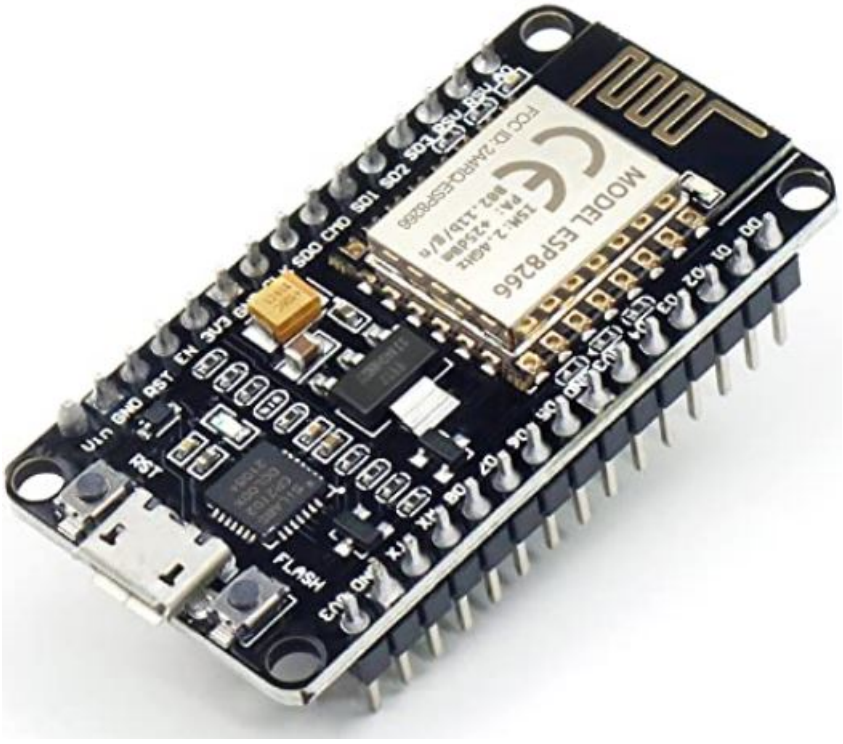


OEM/Integrators Installations User Manual

The module is limited to OEM installation only. This product is mounted inside of the end product only by professional installers OEM. They use this module with changing the power and control signal setting by software of end product within the scope of this application. End user cannot change this setting. This device is intended only for OEM integrators under the following conditions:

- The antenna must be installed such 20cm is maintained between the antenna and users, the antenna is a PCB printed antenna with a gain of 2.0dBi.
- The transmitter module may not be co-located with any other transmitter or antenna. As long as these two conditions are met, further transmitter test will not be required. However, integrator is still responsible for testing their end-product for any additional compliance
  requirements required with this module installed.
- The OEM integrator has to be aware no to provide information to the end user regarding howto install or remove this RF module in the user manual of the end product with integrates this module.
- The end user manual shall include all required regulatory information/warning as show in this manual. If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display alabel referring to the enclosed module. This exterior label can use wording such as the following Contains FCC ID: 2A4RQ-ESP8266MINI” When the module is installed inside another device, the user manual of this device must contain below warning statement:

Federal Communication Commission Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference,
- this device must accept any interference received, including interference that may cause undesired operation.

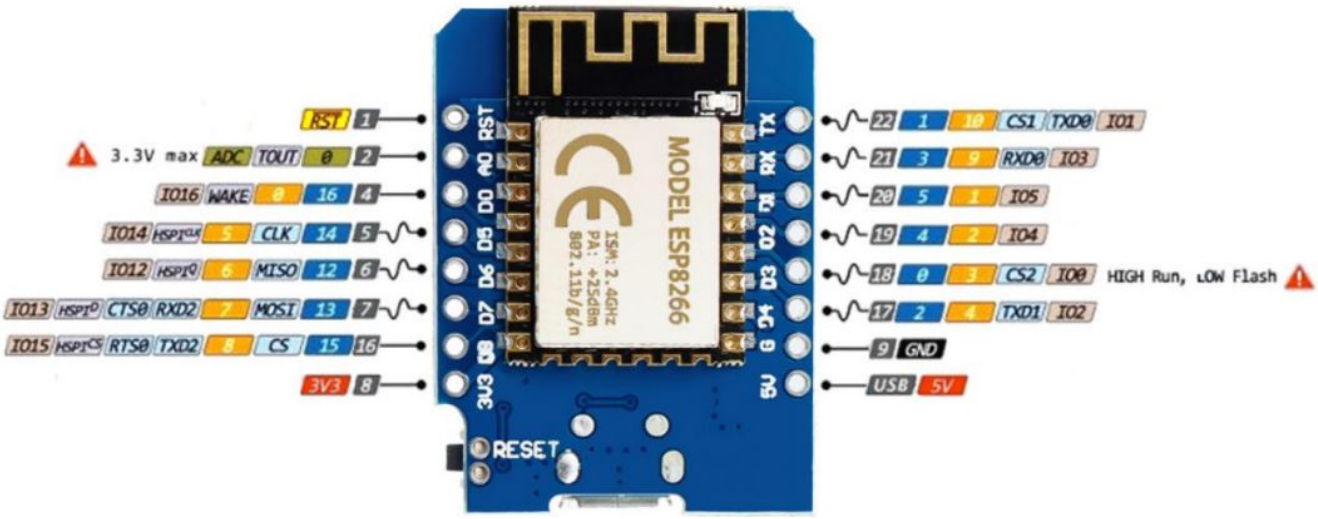
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance withthe instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment doescause harmful interference to radio or television reception, which can be determined by turningthe equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between theradiator and your body. Caution: Any Changes or modifications not expressly approved by the party responsible for compliancecould void the user’s authority to operate the equipment. This transmitter must be co-located or operating to conjunction with any other antenna or transmitter. That separate approval is required for all other operating configurations,

including portable
configurations with respect to Part 2.1093 and different antenna configurations.

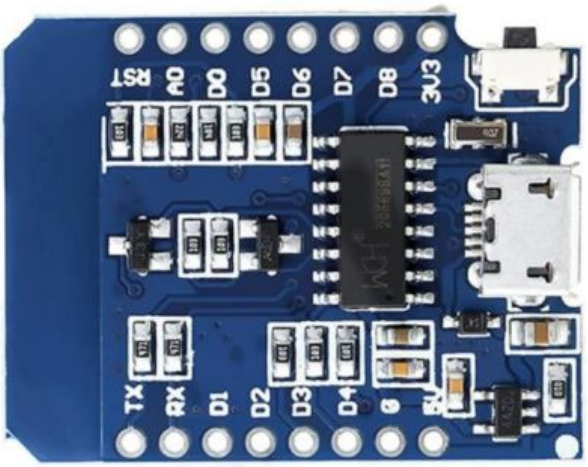
Installation:



Directly download the code after connecting to the computer through a USB cable.

Pin No.	Pin Name	Pin Description
1	RST	Reset
2	A0	Analog Input
3	D0	GPIO16, used to wake up from deep sleep
4	D5	GPIO14,SPI (SCLK)
5	D6	GPIO12, SPI (MISO)
6	D7	GPIO13, SPI (MOSI)
7	D8	GPIO15,SPI (CS)
8	3V3	Power Supply
9	5V	Power Supply
10	G	Ground
11	D4	GPIO2, connected to on-board LED, boot fails if pulled LOW
12	D3	GPIO0, connected to FLASH button, boot fails if pulled LOW
13	D2	GPIO4, often used as SDA (I2C)
14	D1	GPIO5, often used as SCL (I2C)
15	RX	GPIO3,TXD0,CS1
16	TX	GPIO1, debug output at boot, boot fails if pulled LOW

More module information

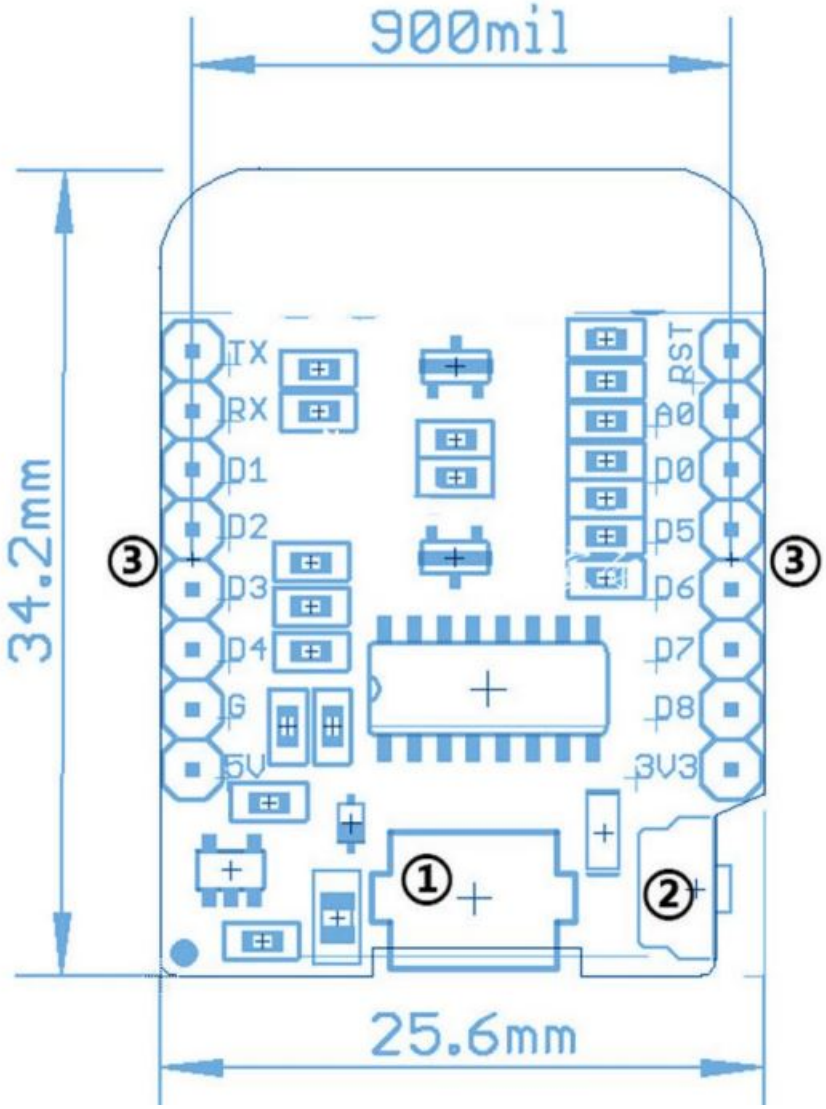


ESP8266-MINI BOTVIEW

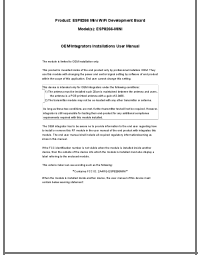
ESP8266-MINI TOPVIEW

Outline Dimension

Outline Dimension



Documents / Resources

	**KeeYees ESP8266 Mini WiFi Development Board** [pdf] User Manual ESP8266MINI, 2A4RQ-ESP8266MINI, 2A4RQESP8266MINI, ESP8266 Mini WiFi Development Board, ESP8266 Mini, WiFi Development Board