ArduiBox ESP

Version 1.x

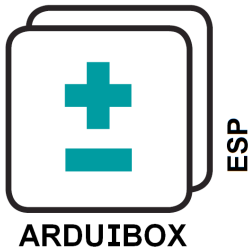## Cap rail enclosure set for ESP32 and ESP8266

ESP

ARDUIBOX

Features enlosure and pcb:

- milled **cab rail enclosure** (4 modules)
- for EN50022 DIN rails
- Optional Integrated **5V**/1,7A **voltage regulator** (Vin 9...35V DC)
- Integrated **prototyping area**
- 3x 2-pin terminal blocks for prototyping
- Marked and connected GPIO & power pins beside the proto area
- 1x 2-pin terminal block for power supply
- For **Wemos D1 Mini** (ESP8266) **and ESP32 NodeMCU-32S** only
- removable protections for terminals
- Opening for micro USB socket on top side
- Available with transparent lid or grey lid

ArduiBox ESP

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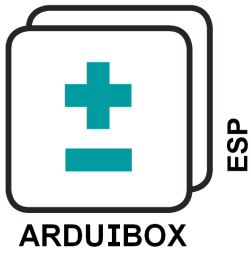## Cap rail enclosure set for ESP32 and ESP8266

Enclosure:

- Outside dimensions: 70mm x 65mm x 90mm (W x H x L)
- Breadboard area: 74mm x 45mm (W x H)
- Material: PS
- Finish top shell: light grey
- Finish bottom shell: light grey

Features optional voltage regulator:

- Input voltage: 9 – 35V DC
- Output voltage: 5V / 1.7A DC

Applications :

- Home automation
- Industrial control
- Door access and door control
- Temperature controls
- Education
- Internet of Things (IoT)
- Industry 4.0
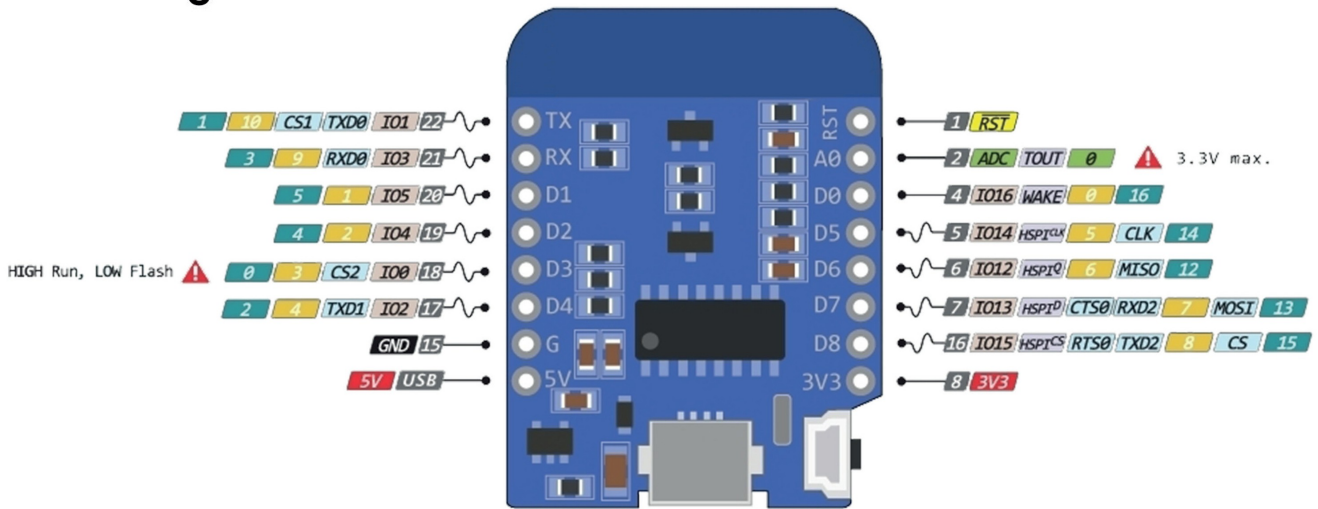- Data aquisition
- Gateways

ArduiBox ESP
Version 1.x

Cap rail enclosure set for ESP32 and ESP8266

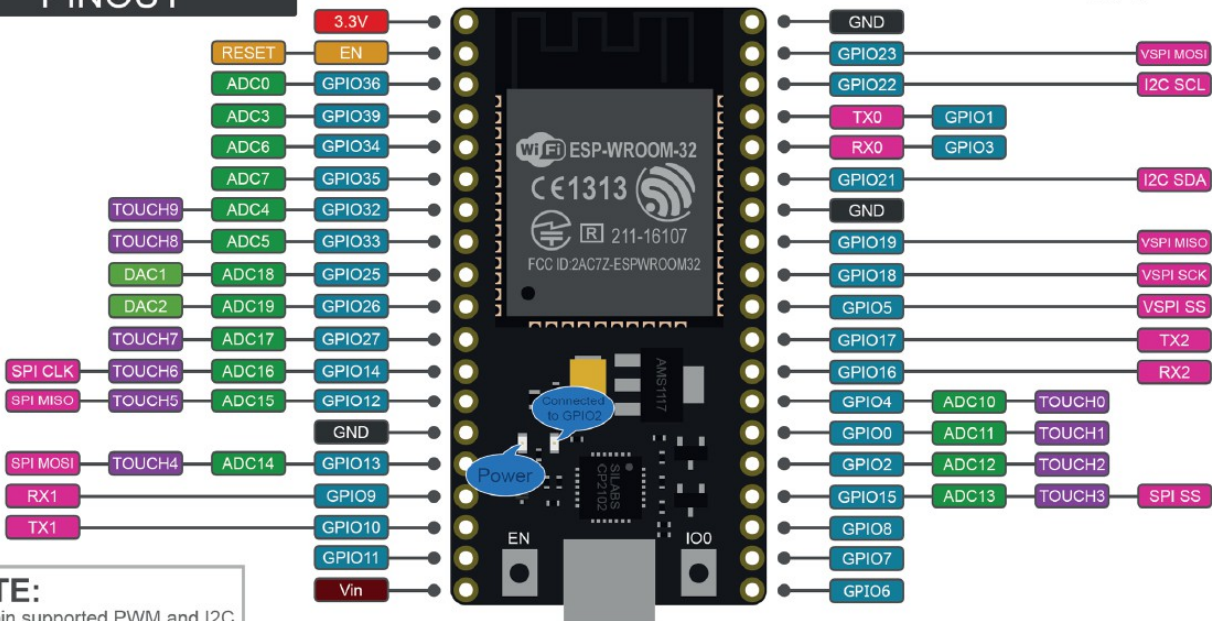---

Compatibility :

D1 Mini
Pinout Diagram

HIGH Run, LOW Flash ⚠

3.3V max. ⚠
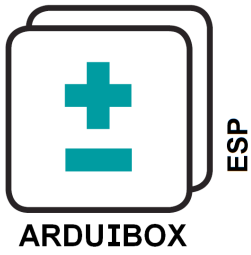
NodeMCU-32S
PINOUT

CC BY 4.0

Connected to GPIO2

Power

NOTE:
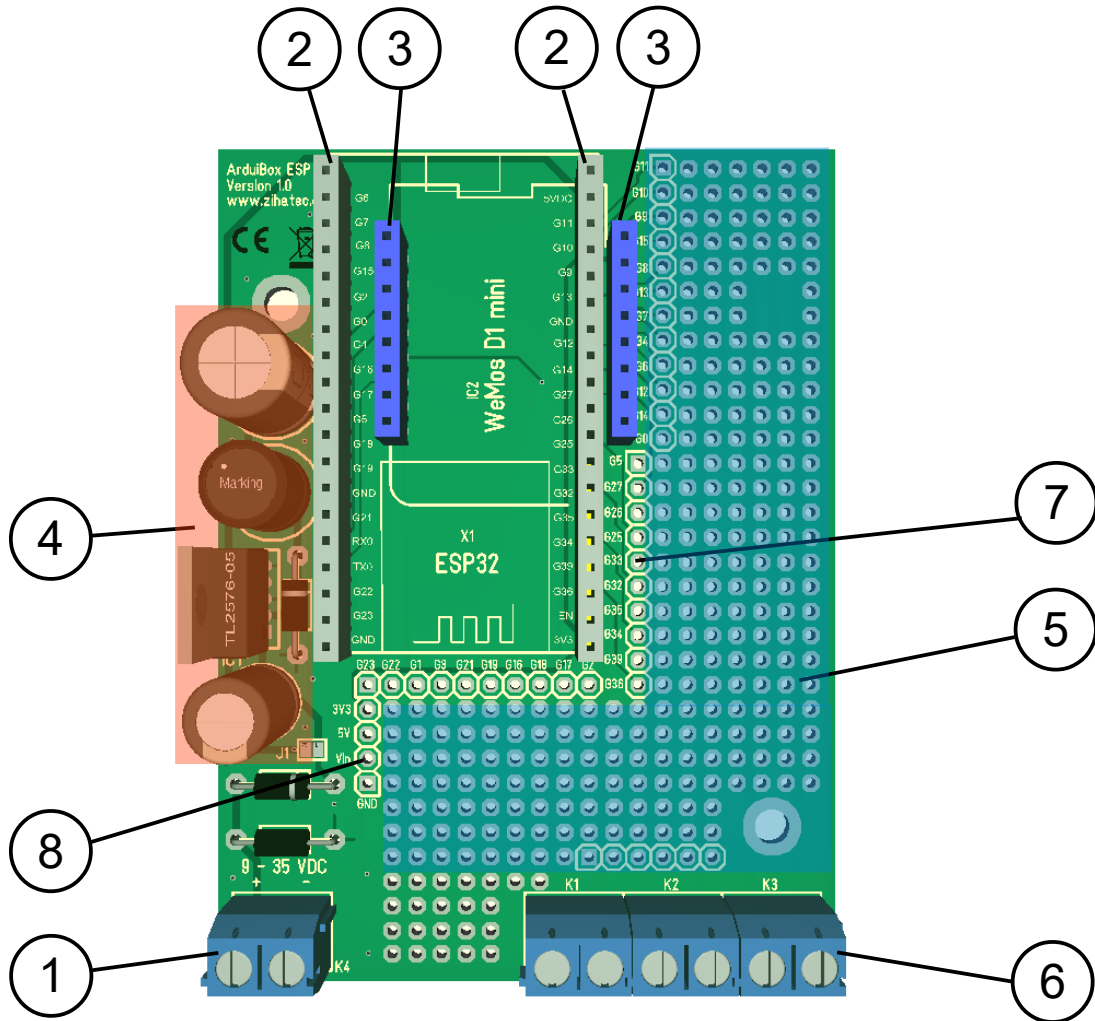All pin supported PWM and I2C
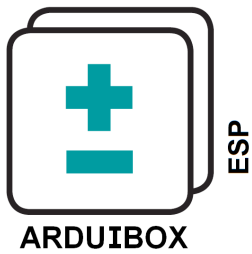Pin current 6mA (Max. 12mA)

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Cap rail enclosure set for ESP32 and ESP8266

Features main board:

① Terminals power supply
② Header for ESP32
③ Header for Wemos D1 Mini
④ voltage regulator
⑤ Breadboard / proto board area
⑥ Terminals for proto board
⑦ GPIO pins for proto board
⑧ Power pins (5V, 3,3V, GND) for proto board

ArduiBox ESP
Version 1.x

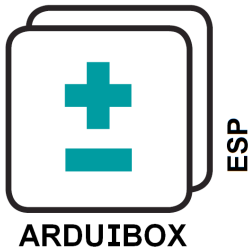## Cap rail enclosure set for ESP32 and ESP8266

Part number table:

Part-No.	Version	Features
ABXEPB	Basic	- **transparent lid** - without parts for voltage regulator
ABXEPS	Standard	- **transparent lid** - including voltage regulator parts
ABXEPBG	Basic	- **grey lid** - without parts for voltage regulator
ABXEPSG	Standard	- **grey lid** - including voltage regulator parts

grey lid   transparent lid
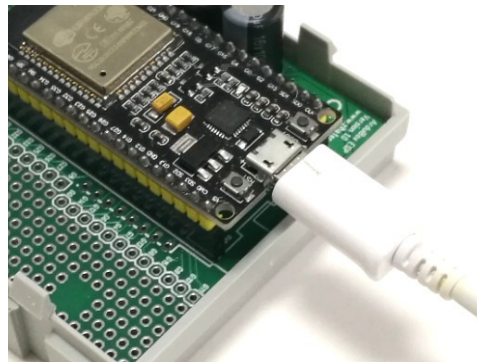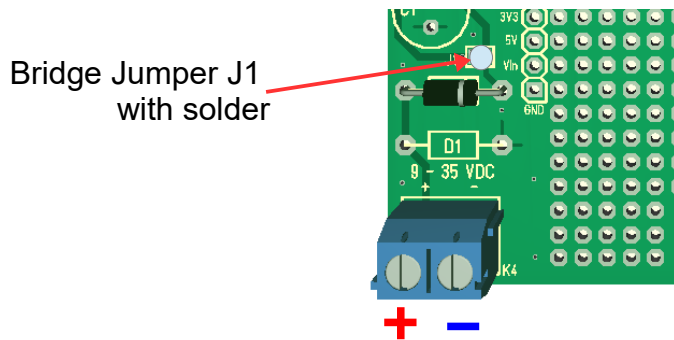
ArduiBox ESP

ESP

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Different ways for power supply of ArduiBox ESP:
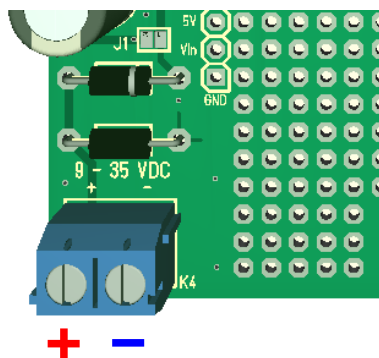
1.) Via the Micro-USB socket of the ESP module

2.) Via the terminal K4 (5V DC) for **basic version** only:

Bridge Jumper J1 with solder

Note: J1 will connect K1 directly with the internal 5V of the ESP module

3.) Via the terminal K4 (9...35V DC) for **standard version** only:

Note: With assembled voltage regulator only. Leave J1 open in this case!