



Arduibox MKR

Cap rail enclosure set for Arduino MKR series



Features enclosure and pcb:

- milled cap rail enclosure (6 modules)
- for EN50022 DIN rails
- Optional Integrated 5V/1.7A voltage regulator (Vin 9...35V DC)
- Slot for Arduino MKR board or Portenta H7
- Slot for Arduino MKR shield
- Exclusive slot for MKR ETH (Ethernet) shield
- Integrated prototyping area
- 2x 3-pin terminal blocks for prototyping
- Marked and connected GPIO & power pins beside the proto area
- 1x 2-pin terminal block for power supply
- removable protections for terminals
- for Arduino MKR series and Arduino Portenta H7 only



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Enclosure:

- Outside dimensions: 105mm x 90mm x 65,3mm (W x H x D)
- Breadboard area: 78mm x 25mm (W x H)
- Material: PS
- Finish top shell: light grey
- Finish bottom shell: light grey

Features optional voltage regulator:

- Input voltage: 15 – 30V DC
- Output voltage: 5V / 1.7A DC

Applications :

- Home automation
- Industrial control
- Door access and door control
- Temperature controls and heating systems
- Education
- Internet of Things (IoT)



Arduibox MKR

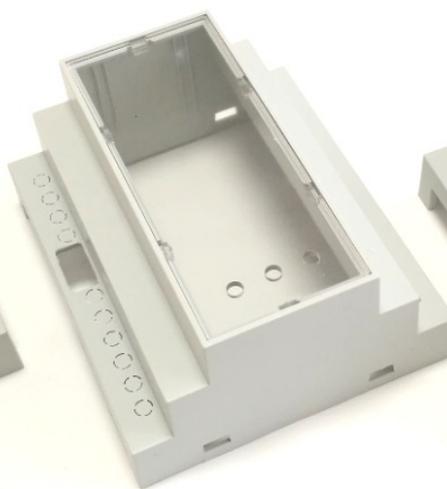
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Part number table:

Part-No.	Version	Features
ABXMKBT	Basic	- transparent lid - without parts for voltage regulator
ABXMKBG	Basic	- grey lid - without parts for voltage regulator
ABXMKBO	Basic	- lid for OLED shield (milled) - without parts for voltage regulator
ABXMKST	Standard	- transparent lid - including voltage regulator parts
ABXMKSG	Standard	- grey lid - including voltage regulator parts
ABXMKSO	Standard	- lid for OLED shield (milled) - including voltage regulator parts



Grey lid



Lid for OLED
(transparent + milled)



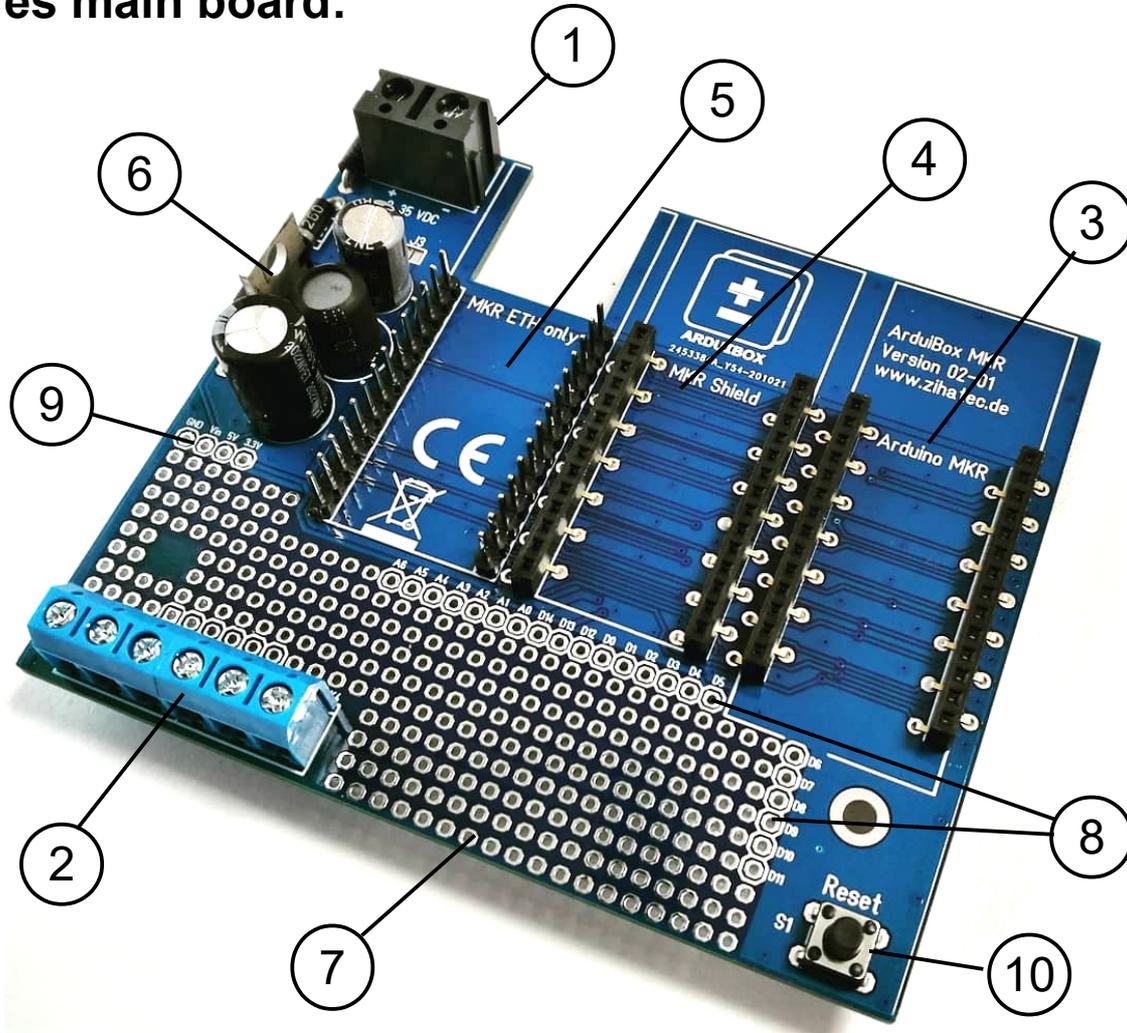
Transparent lid



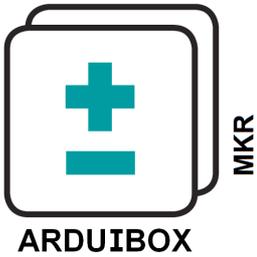
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Features main board:



- ① Terminals power supply
- ② Terminals for proto board
- ③ Slot for Arduino MKR board
- ④ Slot for Arduino MKR shield
- ⑤ Exclusive slot for MKR ETH shield
- ⑥ voltage regulator (9..35V Vin / 5V Vout)
- ⑦ Breadboard / proto board area
- ⑧ GPIO pins for proto board
- ⑨ Power pins (Vin, 5V, 3,3V, GND) for proto board
- ⑩ Reset button



Arduibox MKR

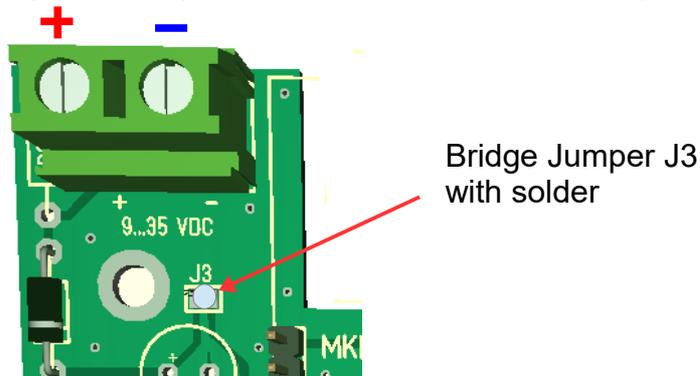
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Different ways for power supply of Arduibox MKR:

1.) Via the USB socket of the MKR board

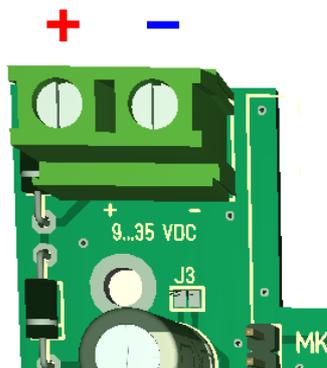


2.) Via the terminal K9 (5V DC) for basic version only:



Note: J3 will connect K9 directly with the internal 5V of the MKR board

3.) Via the terminal K9 (9...35V DC) for **standard version** only:



Note: With assembled voltage regulator only. Leave J3 open in this case!