ArduiBox Open

DIN rail / cap rail enclosure set for Arduino UNO

Features enclosure and prototyping board:

- milled cab rail enclosure (6 modules)
- for EN50022 DIN rails
- prototyping plate - fits perfectly in the enclosure
- 4x 2-pin terminal blocks
- 2x 3-pin terminal blocks
- sockets for the Arduino
- sockets for an optional Shield
- optional reset button (reachable via openings in the cover)
- pcb contains a layout for a voltage 12V/1A regulator
- for Arduino Uno, Zero, 101 and other compatibles
- Vented cover to allow through air flow
**Applications:**
- Home automation
- Industrial control
- Door access and door control
- Temperature controls
- Education
- Internet of Things (IoT)

**Features optional voltage regulator:**
- Input voltage: 15 – 30V DC
- Output voltage: 12V DC / 1A DC (Vin Arduino)

**Enclosure:**
- Outside dimensions: 107mm x 90mm x 58mm (W x H x D)
- Breadboard area: 37mm x 65mm (W x H)
- Material: Polycarbonate UL 94 V-0
- Finish top shell: RAL 7035 light grey
- Finish bottom shell: RAL 7016 anthracite grey

**Part number table:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without parts for voltage regulator</td>
<td>Arduibox Open Basic</td>
</tr>
<tr>
<td>including voltage regulator parts and reset button</td>
<td>Arduibox Open Standard</td>
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</tbody>
</table>
Features main board:

1. Terminals
2. Breadboard / proto board area
3. Sockets for optional shield
4. Sockets for Arduino
5. Optional voltage regulator parts
6. Soldering jumper for basic kit
7. Optional reset button
8. Optional ISP connector for Arduino
Different ways for power supply of ArduiBox:

1.) Via the USB socket of the Arduino (5V DC from USB port)

2.) Via the DC socket of the Arduino (9...12V DC)

3.) Via the terminal K2 (9...12V DC) for basic version only:

   Bridge all 3 Jumpers with solder

   Note: You can't use the terminal for other purposes in this case

4.) Via the terminal K9 (9...12V DC) for standard version only:

   Bridge only Jumper J3 with solder

   Note: You have not to assemble the other parts of the voltage regulator
5.) Via the terminal K9 (15...30V DC) for standard version only:

All 3 Jumpers are open!

Note: You have to assemble the voltage regulator in this case!

For more Information please contact:

Hartmut Wendt
Hard- & Softwareentwicklung
Gartenstrasse 1
14793 Ziesar
Germany

info@hwhardsoft.de
www.hwhardsoft.de