AZ-Touch MKR (mk II)

Top wall enclosure with touchscreen for Arduino MKR & Nano

Features enlosure and pcb:

- top wall mounting enclosure
- 2.8 inch (7,10cm) tft screen with 320 x 240 pixel resolution
- SPI display controller ILI9341
- Resitive touch with SPI touch controller XPT2046
- Integrated 5V/1.7A voltage regulator (Vin 9...35V DC)
- Integrated prototyping area
- 4-pin removable terminal block for prototyping area & power supply
- Marked and connected GPIO & power pins beside the proto area
- Integrated piezo beeper
- Plug-in positions for Arduino MKR or Arduino Nano 33 / BLE / RP2040 boards
- Plug-in position for optional Arduino MKR shield
- Vented cover to allow through air flow

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Enclosure:

- Outside dimensions: 120mm x 80mm x 35mm (W x H x D)
- Breadboard area: 43mm x 39mm (W x H)
- Material: ABS
- Finish top shell: white
- Finish bottom shell: white

Features voltage regulator:

- Input voltage: 15 – 30V DC
- Output voltage: 5V / 1.4A DC

Applications :

- Home automation
- Door access and door control
- HVAC applications
- Internet of Things (IoT)
- Intelligent wireless light switch
- Monitoring of sensor data
- Metering
- Intruder alarm systems

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Compatibility :

Arduino Boards

MKR Zero   **Wifi 1010**   **FOX 1200**   **Nano 33 IoT**   **Nano 33 BLE**

WAN 1310   **GSM 1400**   **NB 1500**   **Nano RP2040**   **Nano 33 BLE SENSE**

Attention:

Either an Arduino MKR or an Arduino Nano board can be plugged in!

NOT compatible with the Arduino Portenta and the classic Arduino Nano (with ATMEGA)!

Arduino MKR Shields

MKR 485   **MKR ENV**   **MKR MBUS**

MKR CAN   **MKR MEM**

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Part number table:

Part-No.	Version	Features
ARTHME	DIY Kit	- diy kit version - pre-assembled pcb (SMT parts only) - THT parts - 2.8 inch (7,10 cm) touchscreen - milled enclosure
ARTHMA	Finished device	- pre-assembled and tested device

ARTHME
(diy kit version)

ARTHMA
(assembled device)
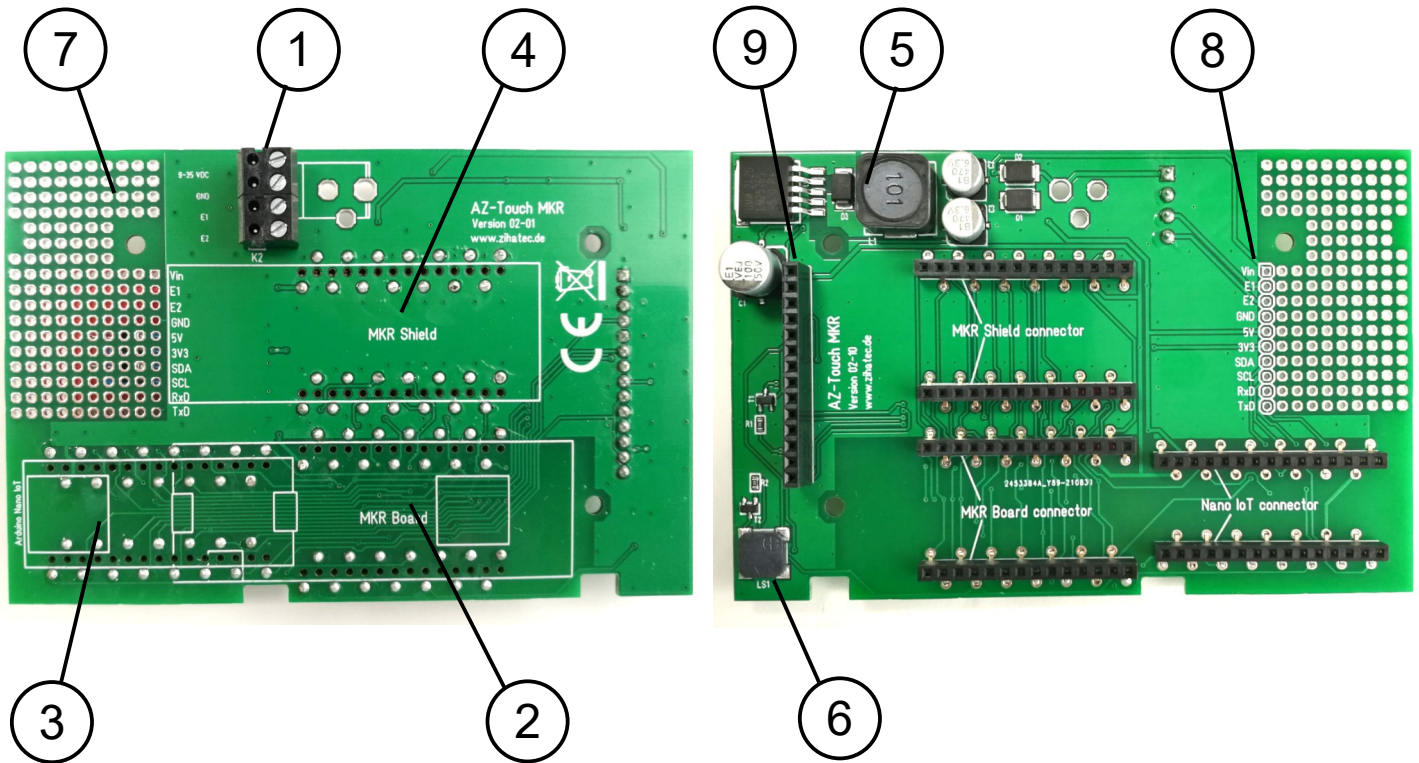
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Features main board:

Back side   **Front side**

① Terminal for power supply & proto board

② Plug-in slot for Arduino MKR board

③ Plug-in slot for Arduino Nano board

④ Plug-in slot for Arduino MKR shield

⑤ Voltage regulator (9..35V Vin / 5V Vout)

⑥ Piezo beeper

⑦ Breadboard / proto board area

⑧ GPIO pins for proto board

⑨ Header for touch screen