Features enclosure 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
AZ-Touch MKR (mk II)

Top wall enclosure with touchscreen for Arduino MKR & Nano

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
AZ-Touch MKR (mk II)

Top wall enclosure with touchscreen for Arduino MKR & Nano

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
AZ-Touch MKR (mk II)

Top wall enclosure with touchscreen for Arduino MKR & Nano

Part number table:

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Version</th>
<th>Features</th>
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<tbody>
<tr>
<td>ARTHME</td>
<td>DIY Kit</td>
<td>- diy kit version</td>
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<tr>
<td></td>
<td></td>
<td>- pre-assembled pcb (SMT parts only)</td>
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<tr>
<td></td>
<td></td>
<td>- THT parts</td>
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<tr>
<td></td>
<td></td>
<td>- 2.8 inch (7,10 cm) touchscreen</td>
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<tr>
<td></td>
<td></td>
<td>- milled enclosure</td>
</tr>
<tr>
<td>ARTHMA</td>
<td>Finished device</td>
<td>- pre-assembled and tested device</td>
</tr>
</tbody>
</table>

**ARTHME**  
(diyn kit version)

**ARTHMA** 
(assembled device)
Features main board:

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