ArduiTouch MOD

Top wall enclosure with touchscreen for ESP32 & ESP8266

Features enclosure and pcb:

- top wall mounting enclosure
- 2.4 inch (6,09 cm) or 2.8 inch (7,10cm) tft screen with 320 x 240 pixel resolution
- SPI display controller ILI9341
- Resistive touch with SPI touch controller XPT2046
- Integrated 5V/1.4A voltage regulator (Vin 9...35V DC)
- Integrated prototyping area
- 6-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 AZ-Delivery D1 Mini (ESP8266) and ESP32 DEV KIT C
- Vented cover to allow through air flow
- Pre assembled and tested device (no soldering required)
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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
AZ-Touch MOD

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Compatibility:

NodeMCU-32S (ESP32 DEV KIT C)

PINOUT

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

D1 Mini
Pinout Diagram
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Part number table:

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Version</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHEE</td>
<td>2.4 inch</td>
<td>- milled enclosure&lt;br&gt;- pre-assembled and tested pcb&lt;br&gt;- 2.4 inch (6,09 cm) touchscreen</td>
</tr>
<tr>
<td>ARTHEL</td>
<td>2.8 inch</td>
<td>- milled enclosure&lt;br&gt;- pre-assembled and tested pcb&lt;br&gt;- 2.8 inch (7,10 cm) touchscreen</td>
</tr>
</tbody>
</table>
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Features main board:

Back side

1. Terminal for power supply & proto board
2. Plug-in slots for ESP modules
3. Voltage regulator (9..35V Vin / 5V Vout)
4. Piezo beeper
5. Breadboard / proto board area
6. GPIO pins for proto board
7. Headers for touch screen

Front side