Model: Unipi (1) Lite

PLEASE RETAIN THIS DOCUMENT FOR FUTURE REFERENCE

CAUTION

The unit can be powered only by a power source in compliance with the unit's specifications. Using unsuitable power supply can result in damage to the unit or connected devices. Unplug all power supplies and voltage sources before any manipulation with the unit – danger of electrical injury or component damage!

Do not use the controller in potentially explosive atmospheres! The controller can be installed only by trained personnel with sufficient qualification. The unit can be installed only in a suitable environment following the product's technical specifications (interior with suitable temperature and humidity, switchboards protected against water intrusion, etc.).

All connected peripherals should comply with all standards and regulations relevant to the country and the intended use.

Unipi Lite features

6× change-over relay	250 V AC, 10 A (NO) and 3 A (NC) / 24 V DC, 5 A (NO) and 3 A (NC) Current value is given for resistive load
6× digital input	0–3/7–24 V DC, Galvanically isolated
1× 1-Wire port	RJ45 connector
Power supply	5 V DC, min 2.4, 5.5 × 2.1 DC connector
Raspberry Pi GPIO connector	23-pin connector for Raspberry Pi GPIO pins
12 V DC, 100 mA internal power supply	For digital inputs

Compute module

Unipi Lite uses the Raspberry Pi computer as a computing module. The product is compatible with the following Raspberry Pi models:

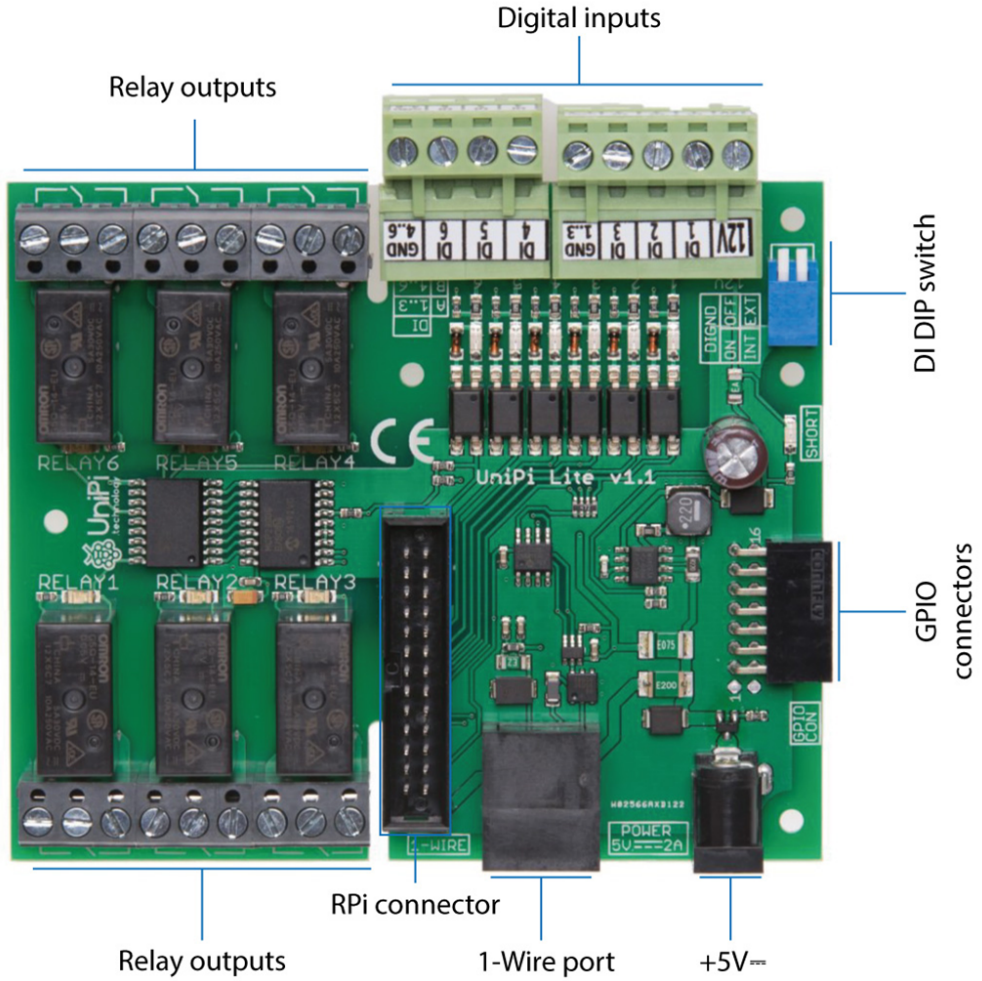
- Raspberry Pi 2 Model B
- Raspberry Pi 3 Model B
- Raspberry Pi 3 Model B+
- Raspberry Pi 4 Model B (all RAM variants)

Getting started

1. Upload the OS image to microSD card.
2. Plug the microSD card into the microSD slot.
3. Connect Unipi Lite to your network.
4. Connect Unipi Lite to the power supply rated 5 V DC.
5. You can start using Unipi Lite!

WEEE Directive Statement for the European Union
Unipi Lite cannot be disposed of as household waste. Different rules for handling electric waste may apply in other jurisdictions.

Compliance information
Unipi Lite complies with the requirements of EMC, LVD and RoHS directives relevant for European Union states.



Complete technical documentation is available at https://kb.unipi.technology/.

Software
Unipi Lite device is compatible with a variety of software. See our website for further details.

Software

MERVIS

Official software platform for programming Unipi controllers according to the IEC 61131-3 standard. Powerful, professional and a user-friendly tool. Detailed installation manual, tutorials and sample projects are available at https://kb.unipi.technology/.

API

The software openness of Unipi products and the wide range of options for communicating with hardware provide users with everything required when programming Unipi controllers in any programming language or software platform. For further information, please visit https://kb.unipi.technology/.