

Model: Unipi 1.1 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 environments! 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 (indoor space with suitable temperature and humidity, waterproof distribution boxes, etc.).

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

Unipi 1.1 Lite features

6× change-over relay	250 V \sim , 10 A (NO) a 3 A (NC) / 24 V =, 5 A (NO) a 3 A (NC) Current values are given for resistive load.
6× digital inputs	5–24 V –, galvanically isolated
1× 1-Wire channel	
Power supply	5 V =@2.5 A, 5.5 × 2.1 DC connector
RPi GPIO connector	16-pin connector for unused RPi GPIO pins
12 V =,100 mA internal power supply	For digital inputs

Computing module

Unipi 1.1 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 1.1 Lite to your network.
- 4. Connect Unipi 1.1 Lite to the power supply rated 5 V =.
 - . You can start using Unipi 1.1 Lite!

▲ Compliance information

Note: Unipi 1.1 Lite complies with the requirements of EMC,

LVD and RoHS regulations relevant for European

Union states

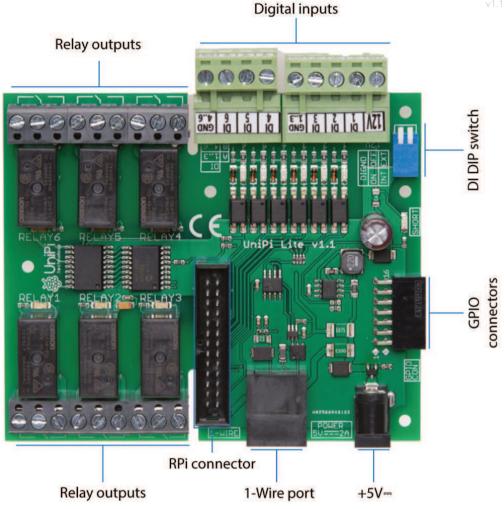


WEEE Directive Statement for the European Union

Unipi 1.1 Lite cannot be disposed of as household waste. Different rules for handling electric waste may apply in other jurisdictions.







Complete technical documentation can be downloaded at https://kb.unipi.technology/.

Software

Unipi 1.1 Lite unit is compatible with a wide variety of software solutions. For more information, visit the Unipi website.

Software

MERVIS

Official software platform for programming Unipi units 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

Thanks to the software openness of Unipi products, users have a wide choice of programming options for Unipi units (SysFS, Modbus TCP, web protocols and more). For further information visit https://kb.unipi.technology/.





