



Specs

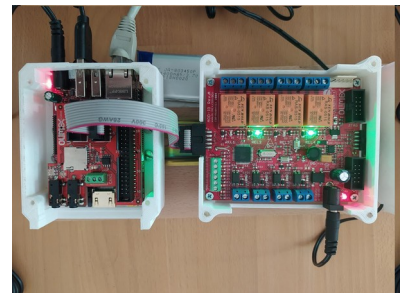
The rPLC is a DIN mountable remote programmable logical controller. It consists of two modules:

- the programmable device
- up to 127 daisy chained modules for input and output (both analog/digital) called couplers

The typical application for rPLC include industrial and home automation.

Characteristics

- Programmable per IEC 61131-3 standard
- Programmable via Beremiz-IDE
- 1 x Ethernet
- up to 40 GPIOs
- Linux operating system (Debian 11) with Preempt-RT patch



Technical data

- Protocols: DHCP, NTP, HTTP, HTTPS, SSH, OPC UA
- Operating system: Debian 10 / 11 / 12 with Real-time Linux (with Preempt-RT patch)
- CPU: Cortex A7, 1 GHz
- RAM: 1GB of DDR3L RAM
- Ethernet: 10 / 100 / 1000 Gigabit Ethernet
- Storage: Micro SD card
- UPS: PMIC with AXP209 with LiPo charger
- Video: HDMI
- Protocols: CAN-FD, I2C
- USB: 2x USB2.0 HS, USB-OTG FS
- 4 relays, 4 optoisolated digital inputs, 2 analog inputs per coupler
- Supply Voltage (system): 5V (programmable device) and 12V (coupler)

Mechanical data

- Programmable device:
 - Dimensions: 83 x 100 x 60mm (w x h x d)
 - Housing material: PLA filament
- Coupler:
 - Dimensions: 109 x 90 x 66mm (w x h x d)
 - Housing material: PLA filament

Contacts

- <https://rplc.nexedi.com/>
- <https://www.nexedi.com/contact/>