



## UPS monitoring client [ ApcPi/UpsPi ]

Backup source is a device whose function is a short-term electrical energy supply in case of instability in input power, or when a complete network outage occurs. The function of UPS lies in protecting the data as well as sensitive devices from harm, caused by unpredictable network events, such as peak usage periods of peak loads, brownouts or outright blackouts. If there is a power cut, the backup source supplies energy to appliances from its own accumulators.

ApcPi is an independent network module used for communication with an UPS device via USB interface. It enables safe monitoring and checking of the backup source through a web browser, a command prompt or using SNMP. Built-in technology ensures additional reliability, including graphic and email notifications.

### Characteristics of the model ApcPi/UpsPi v1:

- Connecting to the UPS via USB cable
- Monitoring processor temperature
- Monitoring internal processes with autonomous repair
- Monitoring the hardware with SNMP protocol
- Automatic time synchronization
- Automatic backup of configuration files
- Configurable email notifications
- Web page with reference links for integrated application systems
- Dynamic web page displaying the UPS state

### Hardware of the model ApcPi/UpsPi v1:

- Efficient SBC based on ARM platform:
  - 1x CPU 1-4Core 1-1.4GHz
  - 1x RAM 512-1024MB DDR2
  - 1x LAN Fast Ethernet (100/300/1000Mbps)
  - 1x LAN IEEE 802.11.b/g/n (2.4GHz)
  - 4x USB 2.0 porty
- All of the components were tested within the frame of CE and FCC

### Software of the model ApcPi/UpsPi v1:

- Operating system Debian Buster
- Great amount of open source tools
- Option of using own scripting languages (shell, perl, python, etc.) without restrictions

<http://www.apcpi.doit.sk>