



## The protection LAN perimeter [ GuardPi ]

GuardPi is a micro server designed to protect access to harmful, inappropriate websites or ad blocking. Blocking can significantly reduce the size of transmitted data and therefore speed up the loading of web pages. Currently, there are a number of web browser extensions for blocking ads or protecting against inappropriate content, which often allow companies to display ads for a fee anyway. The advantage of GuardPi is that it has the ability to block unwanted websites in non-traditional places in the local network such as smart TVs, mobile phones, tablets, computers, laptops and other devices without the need to install any software.

GuardPi also includes Tor (The Onion Router), a system designed for anonymous web browsing. The Tor network system directs Internet traffic through a number of random servers in such a way as to hide the user's location from anyone who wants to record this communication. Logging into the anonymizing network is possible via an integrated wireless access point.

Due to the fact that it is a micro device that is running 24/7, the total consumption of electricity was also taken into account, which in this case is less than an energy-saving LED bulb maximum 2W.

### Features the model GuardPi v1:

- serves to monitor network traffic
- accelerates local network infrastructure
- protects devices from malicious software
- blocks ads in non-traditional places
- reduces connection bandwidth usage
- enables the use of an anonymizing network
- provides communication statistics and reports
- monitors hardware resources
- autonomous supervision of internal services



### Hardver model GuardPi v1:

- Powerful SBC built on the ARM platform
  - CPU 4xCore (Cortex-A7) 1GHz
  - RAM 512MB DDR3
  - HDD 16-32GB UHS-I
  - LAN Fast Ethernet (10/100Mbps)
  - WIFI IEEE 802.11.b/g/n (150Mbps)
  - USB port 2.0
- Micro box material ABS
  - width 51mm
  - height 32mm
  - depth 56mm
- All Components have been tested under CE and FCC

<http://guardpi.doit.sk/>