



## The protection LAN perimeter [ GuardSrv ]

GuardSrv is a 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 GuardSrv 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.

GuardSrv also includes a basic digital temperature and humidity sensor designed for measuring ambient air using a capacitive humidity sensor and a thermistor, the data is recorded in graphs divided by time horizon.

Due to the fact that it is a 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 GuardSrv 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
- includes autonomous supervision of services
- processor temperature monitoring
- ambient temperature and humidity monitoring



### Hardware model GuardSrv v1:

- Powerful SBC built on the ARM platform
  - CPU 4xCore (Cortex-A7) 1GHz
  - RAM 1024MB DDR3
  - HDD 32GB UHS-I
  - LAN Fast Ethernet (10/100Mbps)
- Rackmount 1U box material ABS
  - width 431mm
  - height 43mm
  - depth 203mm
- Certified EPS switched mains power supply
  - AC/DC power supply 110/230V => 5V/3A (15W)
- All Components have been tested under CE and FCC

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