



NAS server [NasPi]

Purpose of NAS servers lies in storing, streaming and backing-up the data. These devices are equipped with an energy-efficient processor and great capacity of hard disk drive (HDD). In addition, there is a possibility for connecting to the data store from multiple computers, tablets, mobile phones, or televisions.

NAS storage offers not only backing-up and sharing the data, but also provides other services. DLNA support enables playing the media files on either smart TV, or on a different device. Samba a networking tool is suitable for sharing the data in the environment of Unix. The most common functions of NAS storage include printing, FTP, web, database, or VPN server.

Characteristics of the model NasPi v1:

- External USB port used for data storage [DATA]
- Option of taking up 2,5" of the hard disk
- Monitoring the temperature of a processor having active cooling system
- Monitoring internal processes with autonomous repair
- Monitoring the hardware with SNMP protocol
- Automatic backup of configuration files
- Integrated wireless entry point

Operating and indications of model NasPi v1:

- Smart microswitch
 - SBC turn-on via pressing the switch briefly
 - SBC power-off via pressing the switch briefly
- State LED
 - Green light signal indicates turn-on state of the device
 - Constant lighting: the device is in normal operating regime
 - Interrupted light flashing: there is an increased activity of the device
- LCD display
 - Showing the utilization of CPU, RAM, HDD
 - Showing current date, time and temperature of CPU
 - Showing IP addresses of network interfaces

Hardware:

- Efficient SBC based on ARM platform is dedicated to running the sensor
- Certified EPS switch-mode power supply source
- Components tested within the frame of CE and FCC

<http://naspi.doit.sk>