Presentation client
[ProPi]

Video presentations ensure a visual and convincing way of accessing the content, because of being useful for business, educational, technological, or other presentations in order to reach the goals. Such a client/described client guarantees autonomous presentation of following types of files (extensions):

- image (jpg, png, gif, ...)
- presentation (ppt, pptx, pps, ppsx)
- video (avi, mp4, vmw, mkv, ...)

Operating the model ProPi v1:

- save desired types of files on a shared drive, into a corresponding subdirectory, according to instructions
- connect an HDMI cable to an LCD/LED monitor
- plug a certified network adapter into an electrical socket
- the client activates itself in the following 15 seconds and:
    - connects to an entry point if within Wi-Fi signal range
    - connects to a shared drive if accessing the entry point
    - opening up a presentation of the last saved file (the latest resource) in case of saving previously mentioned types of files
    - if resource subdirectory is empty, or wireless signal strength is insufficient, a file saved locally will initiate a provide information related to its current working condition. Files are being played on continuously until an alteration in the source comes

Characteristics of the model ProPi v1:

- Logging the state and behaviour of the client
- Monitoring Wi-Fi signal quality
- Monitoring CPU temperature
- Monitoring internal processes with autonomous repair
- Monitoring the hardware using web interface and SNMP protocol
- Automatic time synchronization
- Automatic backup of configuration files
- Configurable email notifications
- Dynamic web page with reference links for integrated application systems

Hardware of the model ProPi v1:

- efficient SBC based on ARM platform is dedicated to running the console server
    - 1x CPU 4Core (Cortex-A53) 1.4GHz
    - 1x RAM 1GB DDR2
    - 1x LAN Gigabit Ethernet (10/100/300Mbps) port
    - 1x LAN IEEE 802.11.b/g/n/ac (2.4GHz/5GHz)
    - 4x USB 2.0 port
- certified EPS switch-mode network power supply 110/230V => 5V/3A (15W)
- all the components were tested within the frame of CE and FCC

http://propi.doit.sk

ARM - Advanced RISC Machine
EPS - External Power Supply
FCC - Federal Communications Commission
SBC - Single Board Computer