INFORMATION SHEET

Thin Client
[ThcPi]

In computer networks, a thin client is a simple, less powerful computer that has been optimized to establish a remote connection to a server-based computing environment. The server performs most of the work, which can include running software programs, performing calculations, and storing data.

ThcPi works with all common versions of RDP (Remote Desktop). You can connect a printer, speakers, monitor, of course a keyboard and mouse to the thin client, as it is a full-fledged mini computer with internet access, including an email client or office suite. Within RDP, it is easy to replace the workplace or client because all settings and user data are stored on servers. With ThcPi, you get 5x longer life than conventional computers thanks to the minimum number of moving parts that would wear out. You also get energy savings thanks to an average power consumption of only around 3-6 watts per hour.

The main advantages of a thin client include:

- Reduction of equipment acquisition costs
- Reduction of operating costs due to low consumption
- Increased service life due to non-use of moving parts within components
- Noise reduction due to passive cooling
- Increased resilience to security threats
- Increased system flexibility and response

Hardware of the model TemPi v1:

- Efficient SBC based on ARM platform
  - CPU: 4 Core 1.4-2GHz 64bit
  - RAM: 1-4 GB DDR2/3
  - LAN: Gigabit Ethernet (10/100/300/1000) Mbps
  - WIFI: 2.4GHz / 5GHz IEEE 802.11.b/g/n/ac
  - VGA: Mali-450 / Mali-G31 / Broadcom Videocore-IV / Broadcom Videocore-VI
  - HDD: 16-64 GB mSD Card
  - PORTS: 2-4x USB 2.0 / 0-4x USB 3.0
  - 1x Full-size HDMI / 2x micro-HDMI ports

- Certified EPS switch-mode network power supply source
  - AC/DC power source 110/230V => 5V/3A (15W)

- Components tested within the frame of CE and FCC

Picture 1: ThcPi running on Odroid C1+ / C2

Picture 2: ThcPi running on Raspberry 4B / 3B+

http://thcpi.doit.sk

ARM - Advanced RISC Machine
CE - European Conformance
EPS - External Power Supply
FCC - Federal Communications Commission