GNU HEALTH
IN A BOX

Single-board Computers (SBC) are devices with a huge potential for the Public Health System when partnering with GNU Health. They can provide **real-time monitoring of vital signs in hospital settings**, retrieve information from **laboratory** instruments or be a great Personal Health tracker. They are also a great resource for **research** and academic institutions.

Public Health and Primary Care involve large deployments in different scenarios with multidisciplinary teams. GNU Health installed on SBCs in **domiciliary units** (houses) can track the infrastructure, sanitary conditions, and prevent vector-borne diseases like Malaria, Dengue or Chagas disease.

GNU Health is Free/Libre Software. It provides the functionality of Hospital Information Management System (HIS), Health Information System (analytics) and Laboratory management (LIMS). Single-board Computers (SBC) makes the perfect companion to expand GNU Health capabilities on each of these areas.

Families can update their demographic information, housing infrastructure and report issues about family functionality to the social services. The GNU Health SBC nodes serve as Personal Health Record for the family members and provide a means to interact with their health professionals from their own home.

SBCs and GNU Health work as a unit, making the perfect duet. They generate real-time transactions within health institution settings, and provide quality and timely demographic and epidemiological information to improve health promotion and disease prevention programs.

We provide different SBC solutions and GNU Health images to match your needs. Some SBCs that have been donated to our R&D labs by their companies are the popular **Raspberry Pi**, the excellent Libre hardware **Olimex (A20-Lime2)** or the amazing **Khadas VIM3** that provides outstanding hardware with Neural Processing Units perfect for research, **Artificial Intelligence** (AI) / Machine Learning (ML). We provide the images with GNU Health pre-installed in all of them.

In the areas of research, bioinformatics and diagnostic imaging, **GNU Health pioneered the link between the clinician and the researcher**. Currently we are working on distributed computing and Artificial Intelligence both in SBCs and other nodes to deliver unparalleled results for complex problems.

GNU Health embedded SBCs are independent, autonomous and affordable computers. GNU Health SBC nodes fit very well into the Public Health system. They will enable large scale deployments in the context of the **GNU Health Federation**.

More information : www.gnuhealth.org/embedded