eKuore Pro 4T

Telemedicine projects

ekuore

Mobile Health Devices

eKuore Stethoscopes

eKuore's electronic stethoscopes are the only devices on the market that allow for data transmission through Wi-Fi.
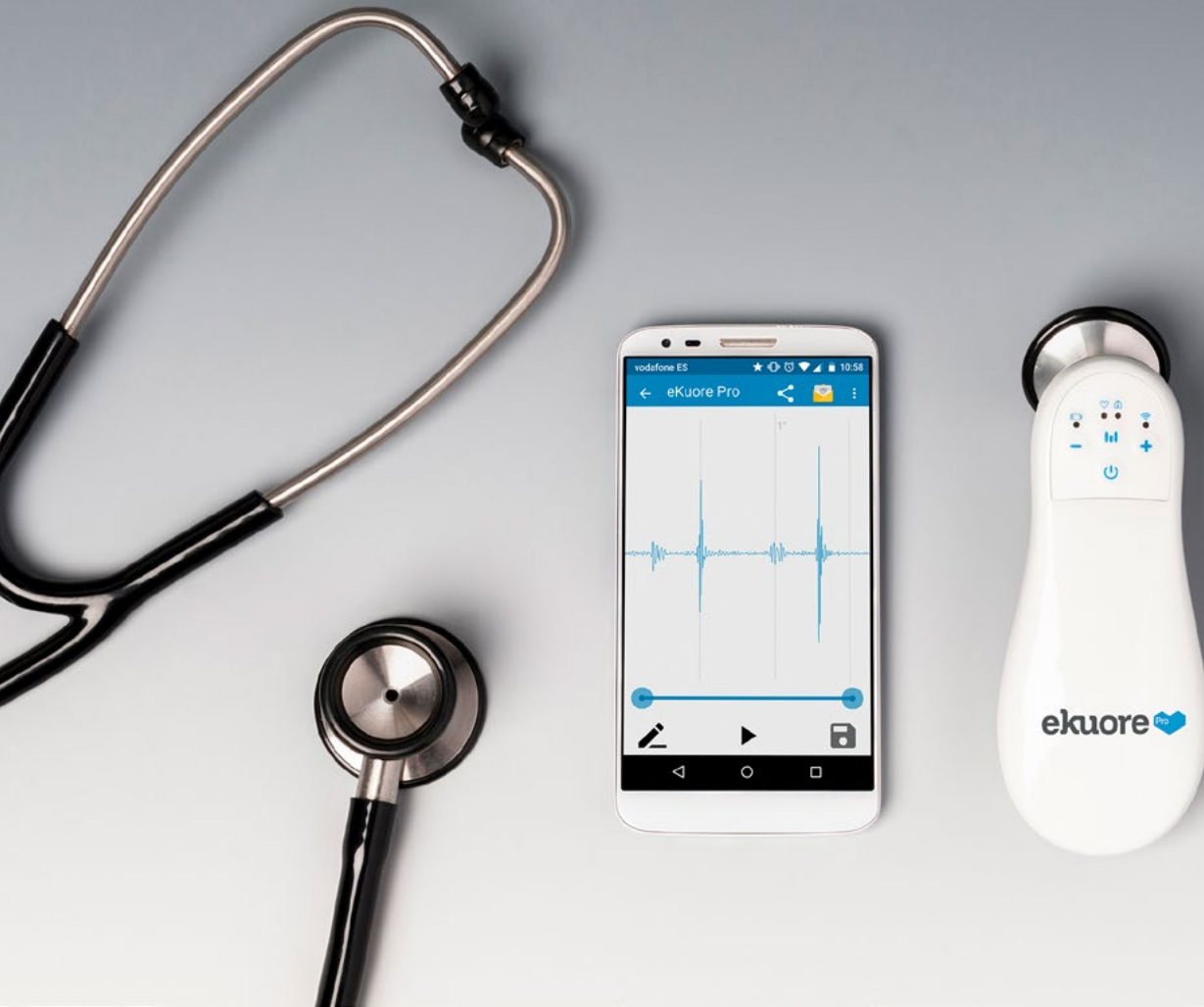
Advantages of Wi-Fi over Bluetooth

✔ **Superior audio quality**
Information is not compressed because it has a higher bandwidth.

✔ **No data loss**
Full control over transmitted and received data packages.

✔ **Longer range**
Twice the range of Bluetooth.

eKuore Pro 4T

Features

- Integration SDK (Engine eKuore Pro).
- Not compatible with eKuore Pro App.
- Synchronous and asynchronous communication.

What is it designed for?

For the integration of stethoscope information directly into the software **in telemedicine projects.**

How does it work?

The new version of the stethoscope connects as a client to an existing Wi-Fi network, and the SDK retrieves data from the device through this local network.

Its operation is similar to that of a network printer or scanner.

The IP is assigned via DHCP, and the stethoscope port is configurable. Therefore, it can pass through a security firewall.

To avoid passing through a router, a Wi-Fi card in 'HotSpot' mode can be used.

This stethoscope enables streaming.
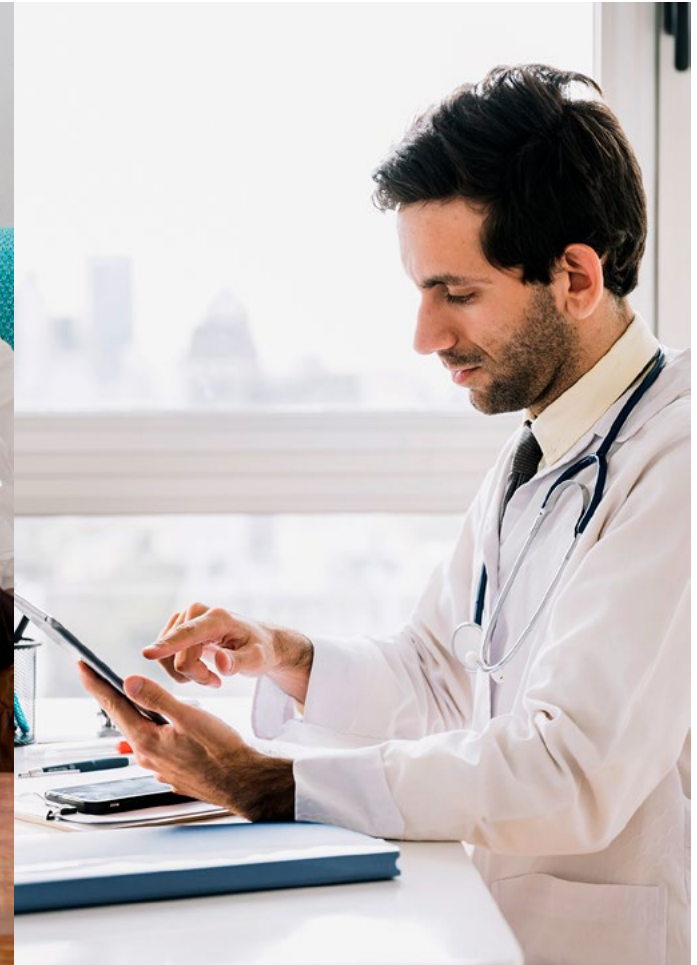
Use case

The stethoscope is connected to a local network (like a scanner or printer).

Data is received through that network, so the stethoscope can be used in transmission mode to send the signal/sound in real time over the Internet to a doctor who can be anywhere.
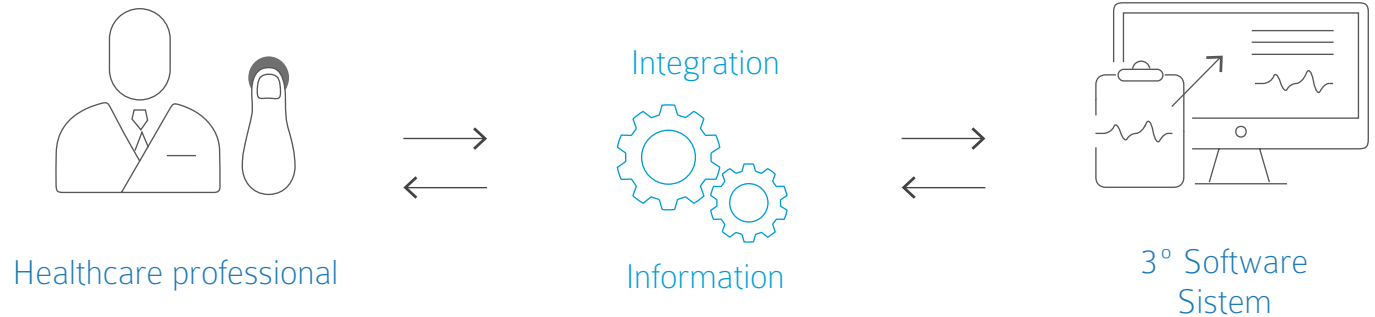
Engine eKuore Pro

Engine eKuore Pro and eKuore Pro 4T

The SDK, together with the stethoscope, enables the following functionalities:

- ✓ **Connect and disconnect** from the device through Wi-Fi.

- ✓ **Listen to the auscultation audio** of an eKuore Pro 4T **in real time** and stream it over the Internet.

- ✓ **Control the auscultation from the device.** (launching the recording, transmission, among others, from the stethoscope without interacting with the APP/Solution)

- ✓ Obtain **additional information** from the connected device:

    Battery level

    Firmware version

    Serial number

    Volume level

    The kind of filter being used during auscultation and changing the platform's filter.

    Hardware version

    Whether the device is turning on or off

Healthcare professional

Integration

Information

3° Software Sistem

What is Engine eKuore Pro?

Engine eKuorePro is a programming interface by which a software can be developed to connect and control the eKuore Pro 4T stethoscope from a system or telemedicine platform, without having to use our App. It is a JRE 9 Java library.

Bidirectional communication

Ability to control the stethoscope using the software or the device.

Recordings can be stopped or started, filters can be changed, among other actions, from both the software and the device. This way, physicians can control the stethoscope remotely from wherever they are.
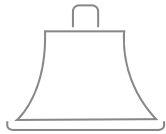
Compatible systems

Android | Windows | Mac | Linux and Other Java supported systems.

Licence

A one-time licence fee. After buying it once, it can be used forever.

Besides, all software updates will be free of charge.

eKuore stethoscopes are different

Interchangeable bells in 3 different sizes
to adjust the stethoscope to any patient (newborn, child, and adult).

Bidirectional communication
that enables starting the recording from the stethoscope without interacting with the platform.

3 remotely modifiable selectable filters
Cardiac · Pulmonary · Extended

Connection via Wi-Fi with the platform
that provides a better range and avoids audio compression, thus avoiding loss of sound quality.

Audio files in RAW format
Engine eKuore Pro enables the reception of audio data in RAW format. This offers great flexibility and, depending on the programming, the audio can also be saved in WAV, mp3, Streaming...

No Internet connection is required
to record auscultation.

Success stories

Telemedicine companies that have already integrated our device

MAINCARE SOLUTIONS

nomadeec
Mobile telemedicine

TESSAN

MEDEO™
Virtual Care

exelonix

VIDEOCLINIC
sicher behandelt

VIDEO VISIT

feebris

More eKuore products

eKuore Pro Hearing Loss

This amplified stethoscope is compatible with hearing aids, especially for physicians with hearing problems.

+info

eKuore Pro Education Kit

This kit is designed to assist medical residents and students in their lessons. Up to 6 persons can listen in real time and at the same time.

+info

eKuore Pro

Enables carrying out joint listening sessions, saving the auscultation for diagnostic follow-up, and sharing it with other professionals.

+info

Digital otoscope

View and save images or videos through an App, keeping the distance from the patient and reducing the risk of contagion.

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